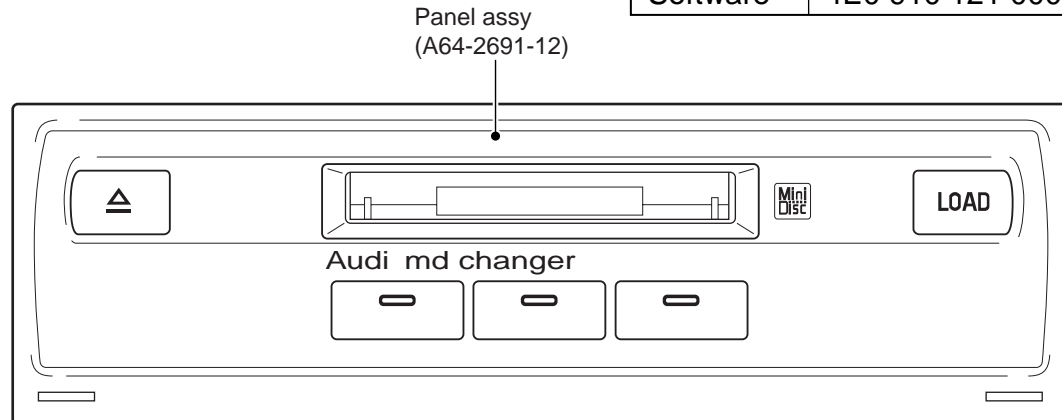


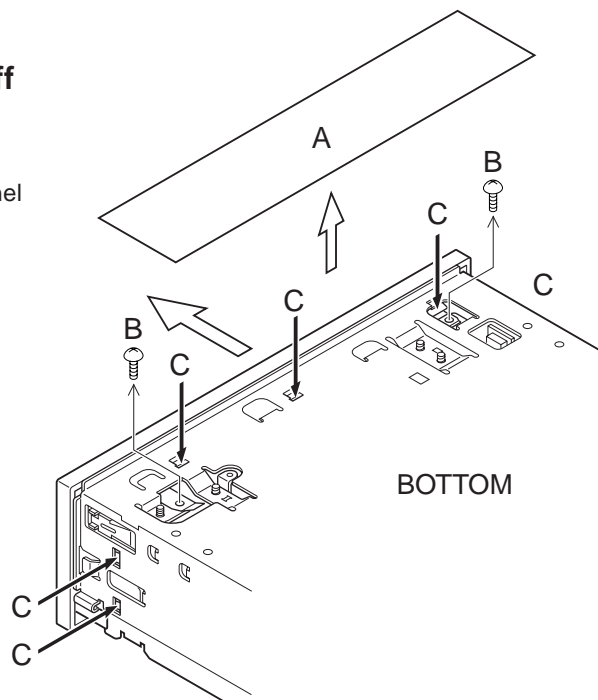
Audi GENUINE

GENUINE PARTS No.

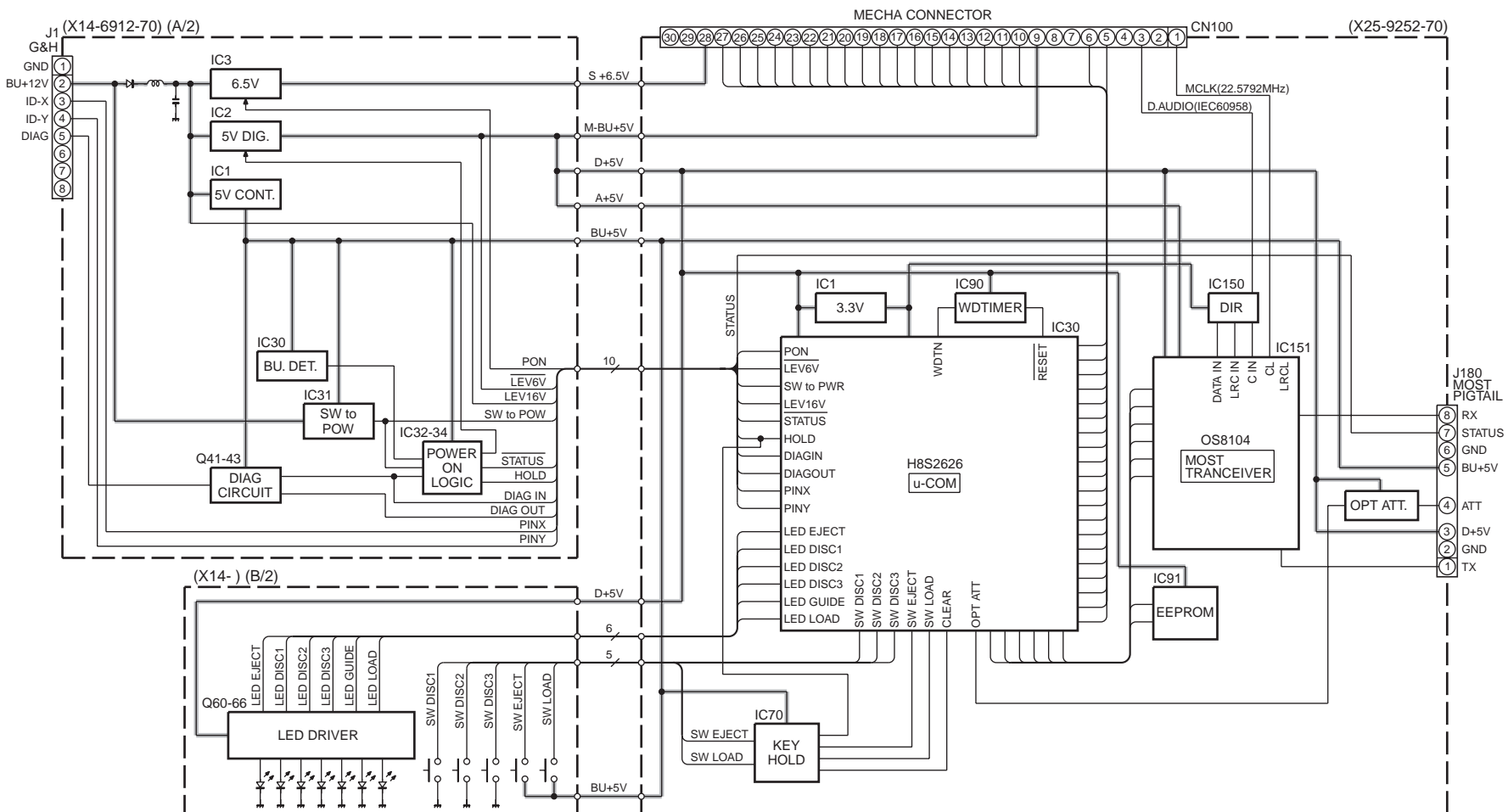
Hardware	4E0 035 121 41
Software	4E0 910 121 0001 300

**How to Take the Panel Assembly Off**

- 1) Take the sheet (A) off.
- 2) Remove screw (B).
- 3) While pressing on the hook (C), take the panel assembly off.



BLOCK DIAGRAM



KMD-300/GD2

COMPONENTS DESCRIPTION

● DISPLAY UNIT (X14-6912-70)

Ref. No.	Application/Function	Operation /Condition/Compatibility
IC1	Stabilized power supply	Supplies Bu +5V to IC30, IC31, IC32, IC33, IC34, etc.
IC2	Stabilized power supply	Supplies D.+5V to X25 board
IC3	Stabilized power supply	Supplies +6.5V to mechanism X33
IC30	Reset IC	OUT=H when BU+5V is above 4.2V
IC31	1 pulse oscillation	Oscillates 1 pulse at rise of BU
IC32	NOT circuit	((~STATUS DIAG Sw to Pow) &&-LEV6) HOLD=H, then D.+5V ON
IC33	OR circuit	((~STATUS DIAG Sw to Pow) &&-LEV6) HOLD=H, then D.+5V ON
IC34	D flip-flop	Detects downward slope of J1 DIAG
Q1	Switch	Q1 base =L, then LEV16=12V
Q2	NOT circuit	Q2 base =H, then Q1 base =L
Q40	NOT circuit	J1 DIAG=L, then IC33 A3 input=H
Q41	NOT circuit	CN1 DIAGOUT=H, then J1 DIAG=L
Q42	Excess current protection	Limit Q41 emitter current
Q43	NOT circuit	J1 DIAG=L, then CN1 DIAGIN=H
Q60	Switch	CN2 LED1=H, then D60 lights up.
Q61	Switch	CN2 LED2=H, then D61 lights up.
Q62	Switch	CN2 LED3=H, then D62 lights up.
Q63	Switch	CN2 LED4=H, then D63 lights up.
Q64	Switch	CN2 LED5=H, then D64 lights up.
Q65	Switch	CN2 LED6=H, then D65 lights up.
Q66	Switch	CN2 LED6=H, then D66 lights up.

● ELECTRIC UNIT (X25-9252-70)

Ref. No.	Application/Function	Operation /Condition/Compatibility
IC1	Stabilized power supply	Supplies 3.3V to IC30 and IC150.
IC30	μ-com	Controls various sections of the set.
IC70	D flip-flop	Detects rise of key input for LOAD/EJECT
IC71	NAND circuit	IC70 CLR=~ (IC90 RESET&&IC30 CLEAR)
IC90	RESET IC	D+5V is above 4.2V, then RESET=H.
IC91	EEPROM	Saves backup data.
IC150	DIR	Converts IEC60958 (SPDIF) signal to 3-line serial.
IC151	MOST transceiver	Signal processing IC for optical input/output
Q30	Switch	PF3=L, then AVREF ON.
Q70	NOT circuit	CN70 EJECT=H, then IC30 EJECT=L
Q71	NOT circuit	CN70 LOAD=H, then IC30 LOAD=L
Q180	NOT circuit	MOST ATT=H, then Q181 base=L
Q181	Switch	MOST ATT=H, then increase optical output.

KMD-300/GD2

MICROCOMPUTER'S TERMINAL DESCRIPTION

● MICROCOMPUTER : HD64F2626FA20I (X25 : IC30)

Pin No.	Pin Name	I/O	Application
1	ATT	O	MOST TX attenuate
2	MOST_INT	I	MOST data reception interrupt
3	BEEP	O	BEEP output
4	ERROR	I	MOST error signal
5	DIR_CS	O	DIR CS
6	VCC1		
7	HTxD		
8	VSS1		
9	HRxD		
10	MMUTE	I	Mechanism mute detection
11	SS1_SW	I	Stock1 Detection of disk/No disk SW
12	SS2_SW	I	Stock2 Detection of disk/No disk SW
13	SS3_SW	I	Stock3 Detection of disk/No disk SW
14	MS_SW	I	EJECT complete detection SW
15	VSS2		
16	FS_SW	I	LOAD start detection SW
17	PVCC1		
18	OS_SW	I	Wrong direction detection SW
19	NC		
20	MSTOP	O	Mechanism control Wake Up
21	MRST	O	Mechanism control RESET
22	M0	O	M1, M2, M3 control output
23	M1	O	LO/EJ control output
24	M2	O	Mechanism roller attach control output
25	M3	O	Mechanism rising order control output
26	NC		
27	NC		
28	MSDA	I/O	Mechanism I2C data
29	MSCL	I/O	Mechanism I2C clock
30	DIR_ERR	I	DIR error
31	DIR_TX	O	DIR control output
32	DIR_RX	I	DIR control input
33	DIR_CLK	O	DIR clock
34	SDA	I/O	MOST I2C data
35	SCL	I/O	MOST I2C clock
36	LED1	O	MD1 eject SW LED
37	VSS3		
38	LED2	O	MD2 eject SW LED
39	PVCC2		
40	LED3	O	MD3 eject SW LED
41	LED4	O	Load SW LED
42	LED5	O	Eject SW LED
43	LED6	O	Insert slot LED
44	CLEAR	O	Hard key buffer clear
45	MOST_WRITE		
46	NC		
47	TXD	O	Flash writer data output
48	RXD	I	Flash writer data input
49	NC		
50	OSC1		

KMD-300/GD2

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application
51	OSC2		
52	PVCC3		
53	MD0		
54	VSS4		
55	MD1	I	μ-com mode switching
56	MD2	I	μ-com mode switching
57	PLLSS		
58	PLLCAP		
59	PLLVCC		
60	RES	I	μ-com resetting
61	NMI		
62	STBY		
63	VCC2		
64	XTAL		
65	VSS5		
66	EXTAL		
67	FEW	I	Flash write enable
68	NC		
69	PON	O	Peripheral circuit power supply control
70	SA_SW	O	SA switch
71	HOLD_SW	O	SD switch
72	LPSCO	O	Vref control
73	WDT_OFF	O	Watch dog timer count output
74	DIAG_OUT	O	DIAG output
75	DIAG_IN	I	DIAG input
76	AVCC		
77	Vref	I	Reference voltage input
78	MLPS	I	Mechanism location position detection
79	PS_SW	I	Play position detection of disk/No disk SW
80	LS_SW	I	Load complete SW
81	CS_SW	I	roller attach/detach SW
82	BU_DET	I	Power supply +B input
83	LEV16	I	Power supply voltage detection
84	NC		
85	LEV_6	I	Power supply voltage <6V
86	DISK1	I	MD1 select SW
87	DISK2	I	MD2 select SW
88	DISK3	I	MD3 select SW
89	LOAD	I	LOAD SW
90	EJECT	I	Eject SW
91	SW_TO_PW	I	Power supply control
92	ID-X	I	Unit position detection
93	ID-Y	I	Unit position detection
94	AVSS		
95	VSS6		
96	WDTOVFA		
97	PVCC4		
98	NC		
99	STATUS		MOST status
100	MOST_RST		MOST reset

TEST MODE

1. TEST MODE

MDC possesses test mode functions for production purposes. There are three test modes: production line test mode, mechanism operation test mode, and shipping mode. As shown in Figure 1, it is possible by using the keys to shift to each of these modes.

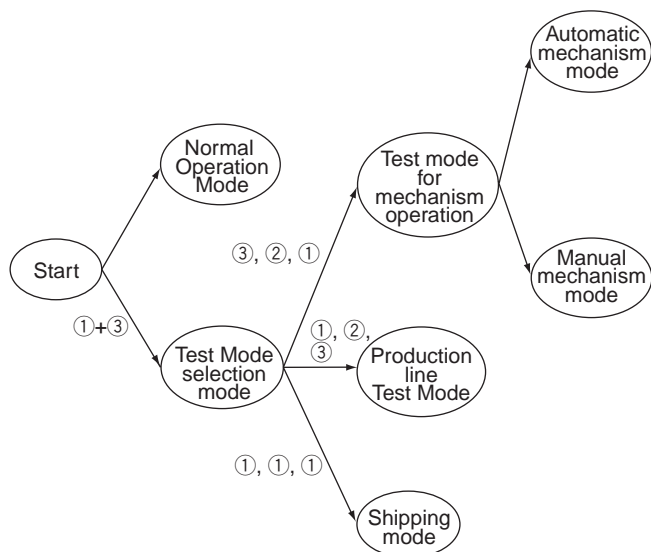


Figure 1 Test Mode conditioned flowchart

1.1. Test Mode selection mode

In this unit, there are but five keys: LOAD, UNLOAD, ① (DISC SELECT LEFT KEY), ② (DISC SELECT CENTER KEY), and ③ (DISC SELECT RIGHT KEY). After installation of the unit by the user, if direct switching to the Test Mode were enabled by combining these five keys, it is possible to shift accidentally into the Test Mode. This is because of the simplicity of the input method.

To avoid this problem, use Test Mode selection. This mode condition is achieved by enabling key input during the Test Mode. In other words, no direct switching to the Test Mode is done. This Test Mode selection mode prevents the user from entering the Test Mode inadvertently.

1.1.1 How to enter the Test Mode selection mode

With the MOST Tx Output (Light) on, by simultaneously depressing the ① and ③ keys and by resetting or turning the power on, Test Mode selection mode is achieved.

Or with the MOST Tx Output (Light) off, by simultaneously depressing the ①, ③, and LOAD keys and resetting or turning the power on, the Test Mode selection mode is also achieved.

1.1.2 How to exit the Test Mode selection mode

The following are ways to move out of the Test Mode selection mode. The operation after exiting the mode will be the same as after hardware resetting. The unit must be reset in the final stage of the Test Mode.

1. By resetting the system
2. By changing MOST Tx=On to MOST Tx=Off
3. By a momentary power outage
4. After entering this mode, when there is no effective key input for ten or more seconds
5. After entering this mode, when there is no ineffective key input

1.1.3 Initial condition after entering the Test Mode

The ①, ②, ③, LOAD, and UNLOAD keys have LED's (red and red only) installed.

Also, one LED (red and red only) is placed on each side of the disk insertion slot.

When the Test Mode selection mode is entered, all LED's light up.

1.2. Shipping Mode

When transporting MD Changer units, their mechanisms are subject to vibrations and shocks. These could damage the MD Changer mechanisms (including the servo system and pickup). Therefore, before transporting the units, it is necessary to place the mechanisms in positions that are most vibration and shock resistant. The Shipping Mode causes the mechanism to shift into ideal, optimally robust shipping positions.

1.2.1 How to enter the Shipping Mode

In the Test Mode selection mode with no disk in the unit, the selection mode can be entered by pressing the ① key three times.

1.2.2 How to exit the Shipping Mode

By resetting the system or by turning on the power, the Shipping Mode is released and the mechanism returns to its initial position.

Accordingly, after confirming that the mechanism has entered the Shipping Mode, the power should be turned off.

Table 1 MD Changer (Shipping Mode) Key description

Key	Mode Description
#1 #1 #1	MD Changer Mechanism are put into shipping position.

TEST MODE

Table 2 Flow of MD Changer Conditions (Shipping Position)

Disk Condition	MD Changer Condition	Display
Out	Receiving signal to shift to shipping position	#1 blinks with 500ms interval
	Shifting	#1 blinks with 500ms interval
	Shifting successfully completed.	#1 lights up
	Shifting unsuccessful	#1, #2, and #3 blink at 500ms intervals
In	Ineffective (any one of the switches of the mechanism is on).	

1.3. Production Line Test Mode

1.3.1 How to enter the production line Test Mode

In the Test Mode selection mode, with LED's for the ①, ②, and ③ keys alight, it is possible to enter the production line Test Mode by consecutively pressing the ①, ②, and ③ keys. As these inputs are made, each LED on these keys lights up, enabling key input confirmation. Also, when the production line Test Mode is entered by effective key input, the LED's that had remained unlit light up.

If incorrect keys were pressed or no effective key input were made for ten consecutive seconds, the Test Mode selection mode is released. In this case the Test Mode selection mode must be reentered to enable Test Mode entry.

1.3.2 How to enter the production line Test Mode

The following are ways to release the production line Test Mode selection mode. Ideally, the condition after exiting the Test Mode should be the same as after resetting the hardware by means of the program. This, however, cannot always be achieved at present.

Accordingly, it is necessary to reset the system in the final process of the Test Mode. (This excludes the case of setting the mechanism to transport position.)

1. By resetting the system
2. By changing MOST Tx=On to MOST Tx=Off
3. After entering the Test Mode, when an ineffective key was pressed

1.3.3 Initial condition in the production line Test Mode

In the Test Mode, there is no special initial setting. (This is other than the initial setting of normal units.) To indicate, however, that the Test Mode has been entered, all LED's on the ①, ②, and ③ keys will light up.

1.3.4 Display (LED)

LED installation on the ①, ②, and ③ keys can be checked. With all disks removed, press any of the ①, ②, or ③ keys and lift your finger within one second. This causes the LED corresponding to the pressed key to go from "off" to "lighting up" to "blinking," and to "off."

When and if a disk or disks are present, the LED will light up according to the disk condition. (The condition according to normal operational specifications will follow.)

Inasmuch as the LED's are also used for judging key input, no judgment results when there is a key-input problem.

Accordingly, if no judgment were possible, a disk must be inserted into the desired position and appropriate key input made. Confirm that disk ejection is possible.

1.3.5 Keys

To ensure that the conductance of the ①, ②, ③, LOAD, and UNLOAD keys is satisfactory, with all disks removed, press any of the ①, ②, ③, LOAD, and UNLOAD keys and lift your finger within one second. Then confirm that the LED corresponding to the pressed key will proceed from "off" to "lighting up" to "blinking," and to "off."

Inasmuch as this is the same as evaluating the display (LED's), if a problem exists with the LED, no evaluation can be conducted.

Accordingly, if no evaluation were possible, a disk must be placed into the desired position and appropriate key input made. Be sure that the disk can be ejected.

When and if the ①, ②, and ③ keys are depressed for more than one second, the Stock and Stock Position Confirmation Modes will be entered, as described below.

1.3.6 MD servo

After disk-loading, playing starts at Track No. 7.

The following key operations are begun by commands from the control unit and are conducted only when the source is the MD Changer.

Even when the playing track number is changed other than by the keys (commands) described below, the playing condition will persist.

1.3.7 Mechanism transport position

Refer to "1.2 Shipping Mode."

To enter this mode, press the ① key and hold it down one or more seconds.

TEST MODE

1.4 Test mode for MD Changer mechanism operation

1.4.1 How to enter the Test Mode for MD Changer mechanism operation

After selecting the Test Mode selection mode, while the LED's for the ①, ②, and ③ keys are lighting up, consecutively press the ①, ②, and ③ keys. The Test Mode for MD Changer mechanism operation can then be entered.

During key input, the LED corresponding to the key goes out, enabling key input confirmation.

After effective key input, when the Test Mode for the MD Changer mechanism operation is entered, all unlit LED's will light up.

In case of an error in key input, or no effective key input were conducted for ten or more consecutive seconds, the Test Mode selection mode is released. It is then necessary to restart from the setting for the Test Mode selection mode.

Table 3 Test Mode input procedure for MD Changer mechanism operation

Procedure and result	Status and Operation	Key (result) / LED (● light up)		
		①	②	③
1	In Test Mode selection mode	-	-	-
		●	●	●
2	③ key input	7	7	3
		●	●	○
3	② key input	7	4	7
		●	○	○
4	① key input	5	7	7
		○	○	○
5	Test Mode for MD Changer mechanism operation	-	-	-
		●	●	●
6	Elapse of ten seconds	7	7	7
		○	○	○
7	Release of the Test Mode selection mode	-	-	-
		○	○	○

1.4.2 Releasing the Test Mode for MD Changer mechanism operation

The following methods release the Test Mode for MD Changer mechanism operation. Ideally, the condition after exiting the Test Mode should be the same as after resetting the hardware by means of the program. This, however, cannot always be achieved at present. Below are ways to release the production line Test Mode selection mode.

The system must always be reset after the final process in the Test Mode. When, however, desiring to enter the transport position, simply shut off the power after confirming that the mechanism will shift into the transport position. Remember that, when resetting after shifting into the transport position, the unit will return to the initial position.

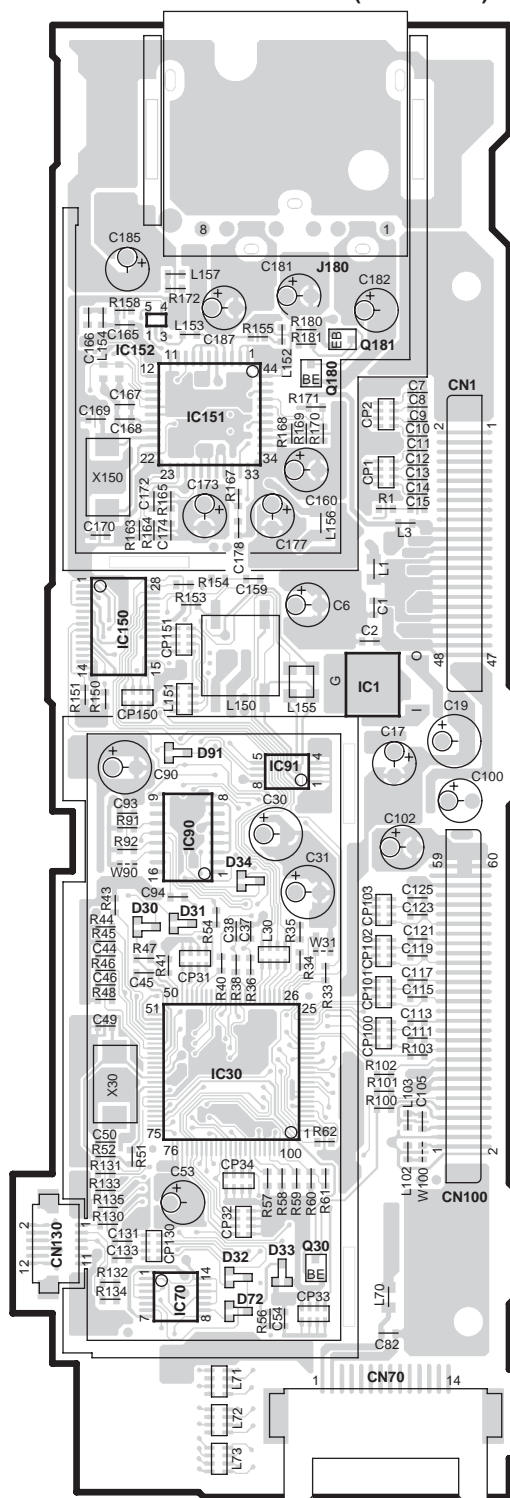
1. By resetting the system
2. After setting this mode, no effective key input is made for ten seconds.
3. After entering the Test Mode, an ineffective key was pressed.

1.4.3 Initial condition of the Test Mode for MD Changer mechanism operation

There is no special initial setting in the Test Mode. Nevertheless, to indicate that the Test Mode has been entered, all LED's installed on the ①, ②, and ③ keys will light up.

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT X25-9252-70 (J74-1528-12)

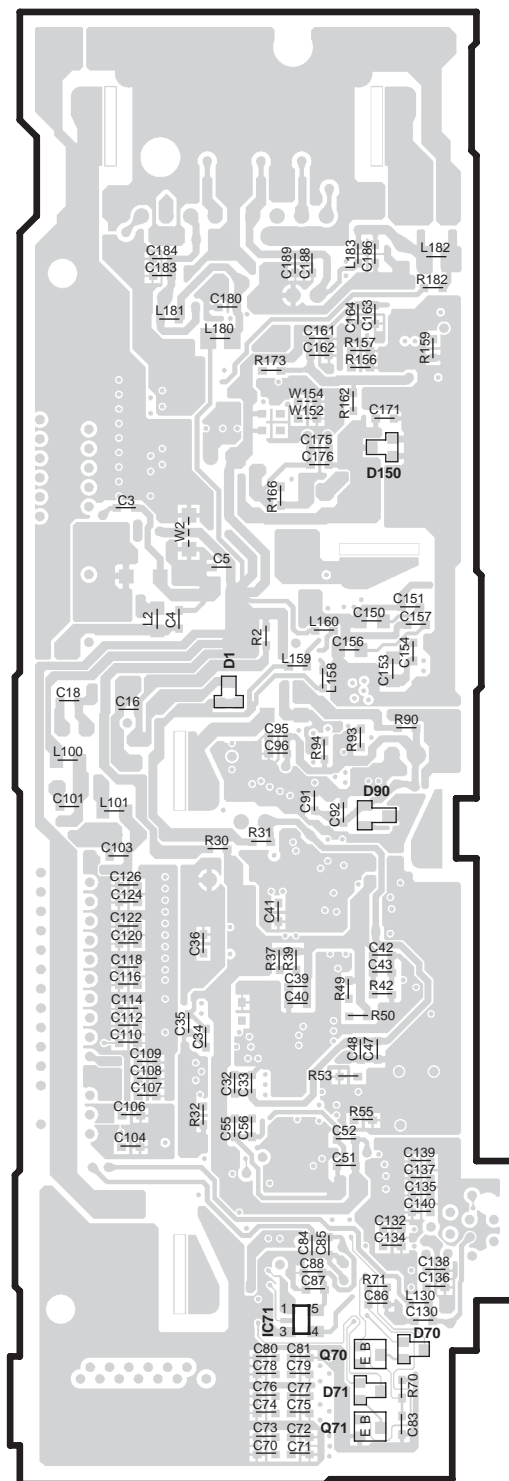


X25-9252-70

IC	Q	Address	IC	Q	Address
1		4B	151		3B
30		5B	152		2A
70		6A		30	5B
90		4B		180	3B
91		4B		181	2B
150		3A			

(FOIL SIDE VIEW)

ELECTRIC UNIT X25-9252-70 (J74-1528-12)



X25-9252-70

IC	Q	Address
71		6D
	70	6D
	71	6D

Refer to the schematic diagram for the values of resistors and capacitors.

F

G

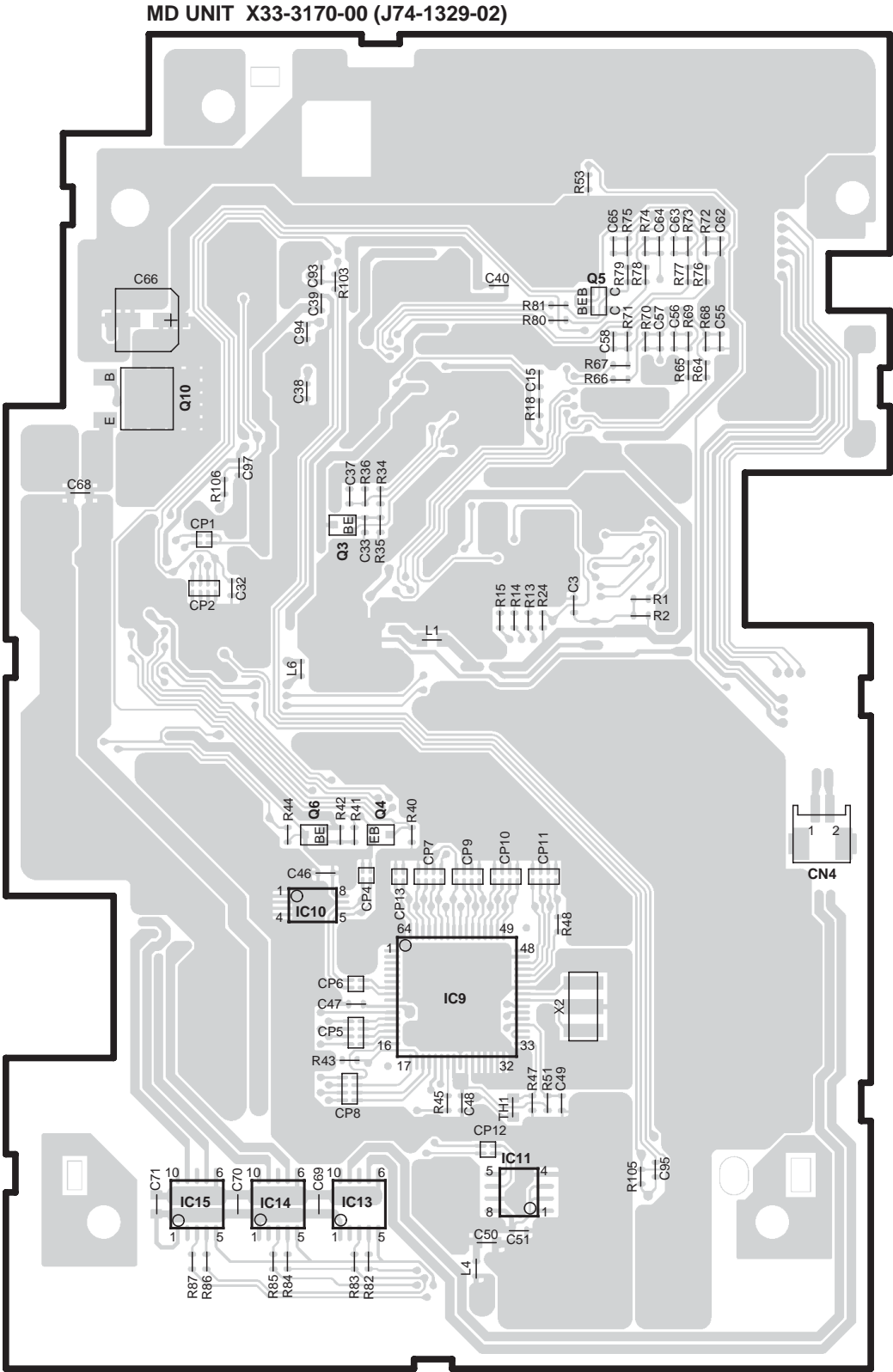
H

I

J

KMD-300/GD2

PC BOARD (COMPONENT SIDE VIEW)



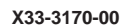
X33-3170-00

IC	Q	Address	IC	Q	Address
9		5H	3		3H
10		5H	4		4H
11		6H	5		2I
13		6H	6		4H
14		6H	10		3G
15		6G			

Refer to the schematic diagram for the values of resistors and capacitors.

7

1

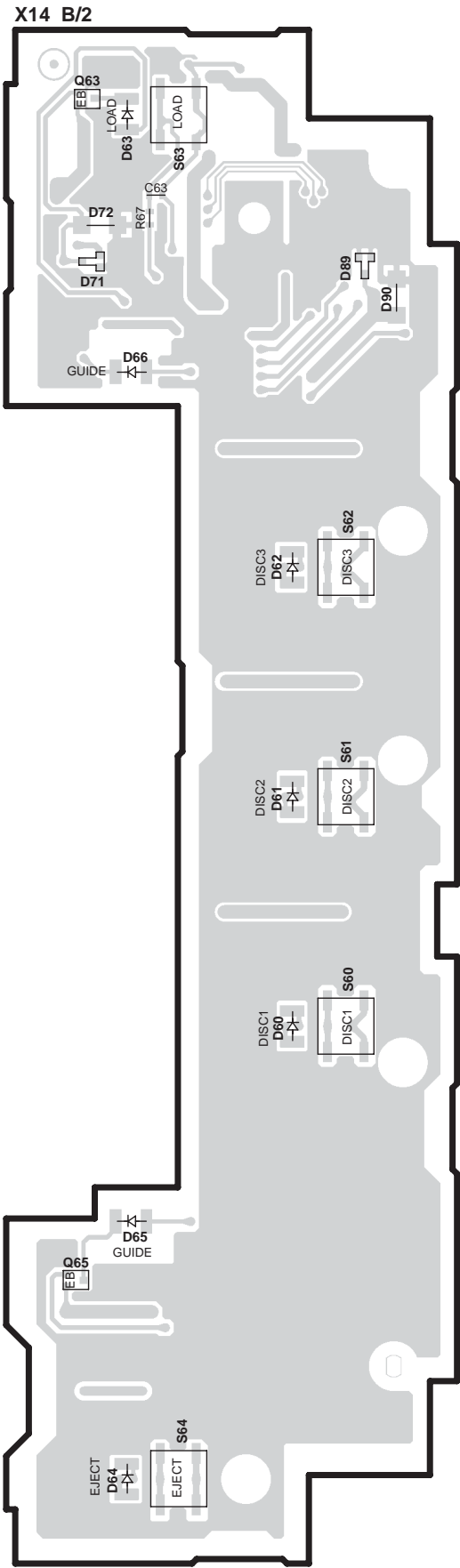


IC	Q	Address	IC	Q	Address
1		3M		1	4L
2		3N		2	4L
3		2M		7	3N
7		4M		8	3N
8		4N		9	3N
12		2L	11		4N
16		3N			

Refer to the schematic diagram for the values of resistors and capacitors.

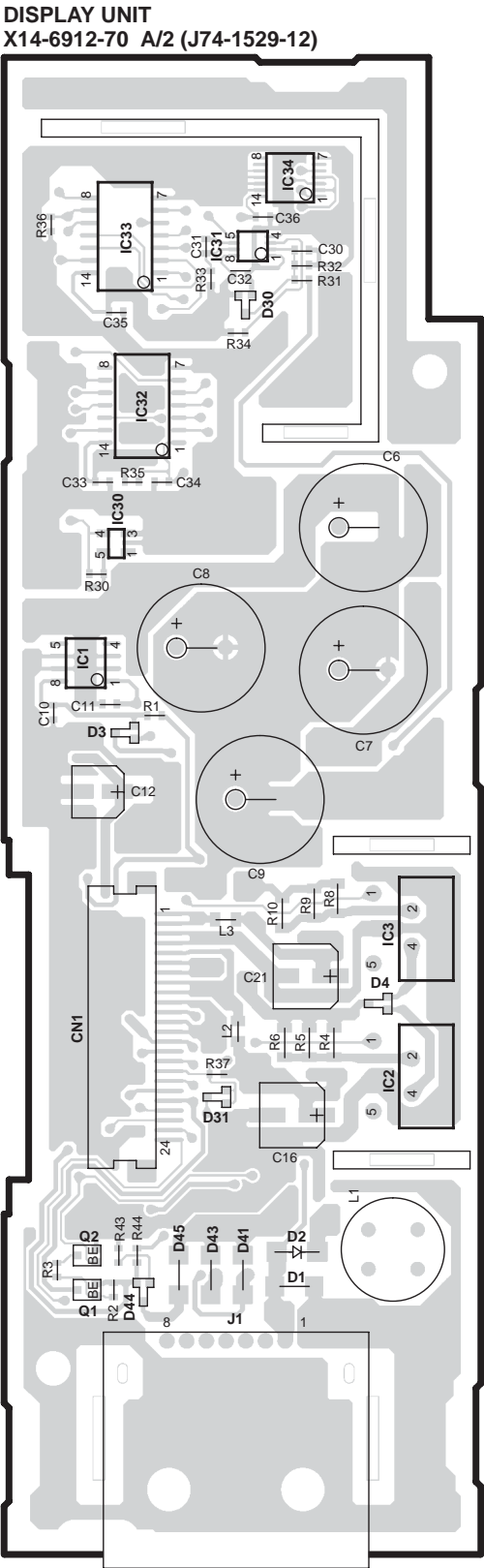
KMD-300/GD2

PC BOARD (COMPONENT SIDE VIEW)



X14 B/2

Q	Address
63	1P
65	6P



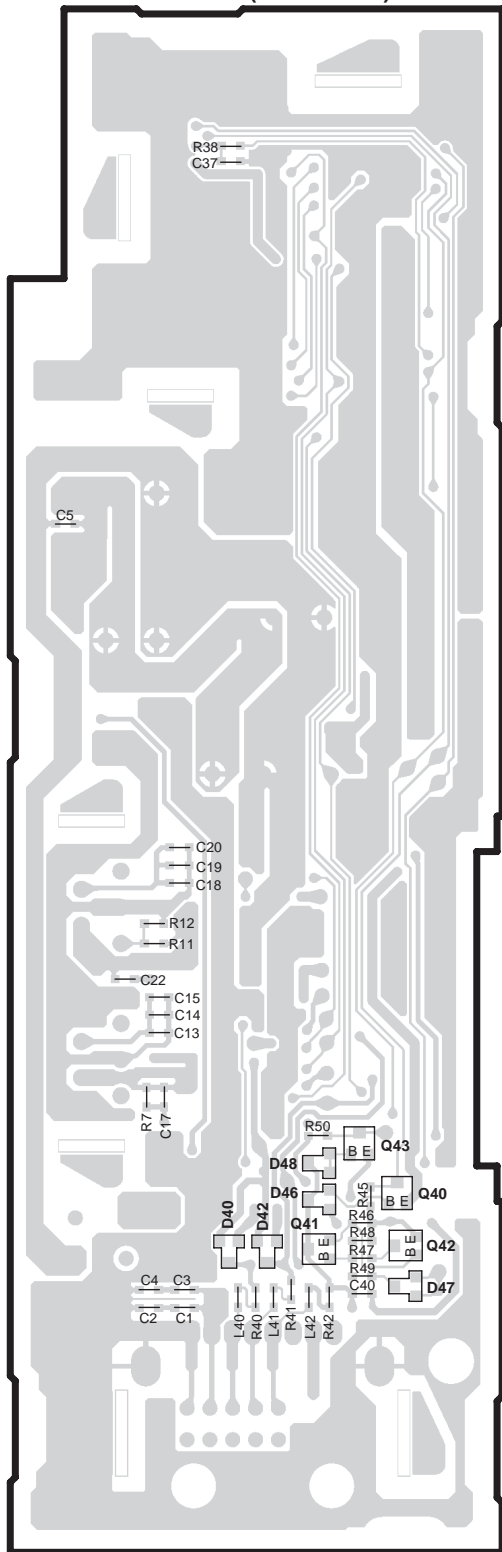
X14-6912-70 A/2

IC	Q	Address	IC	Q	Address
1		3S	32		2S
2		5T	33		2S
3		4T	34		2T
30		3S		1	6S
31		2S		2	5S

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

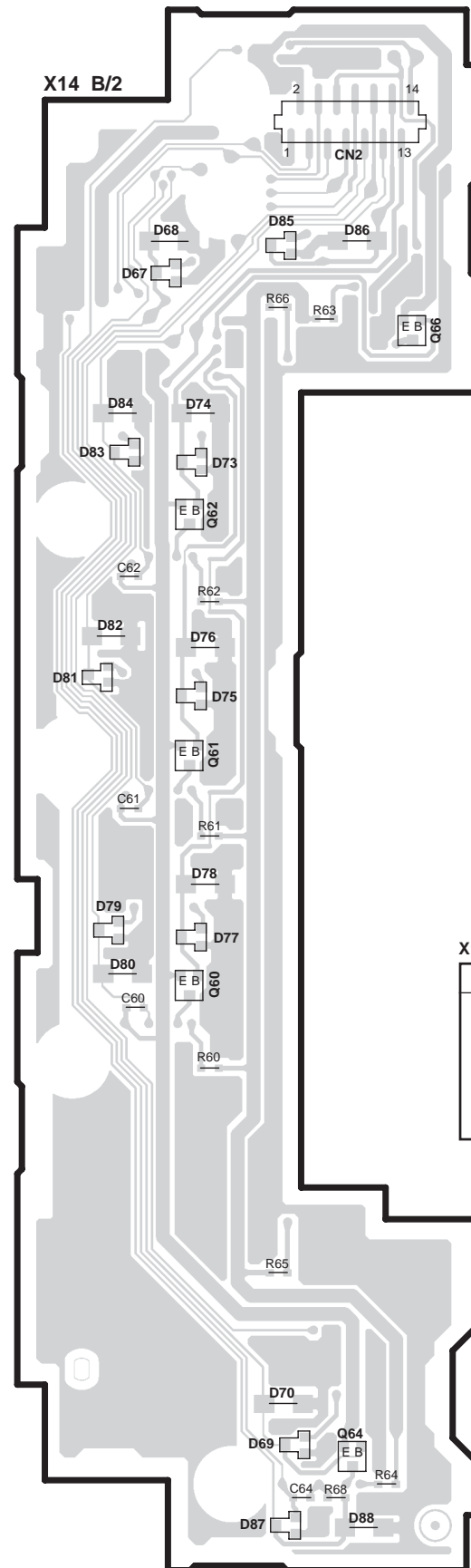
DISPLAY UNIT
X14-6912-70 A/2 (J74-1529-12)



X14-6912-70 A/2

Q	Address	Q	Address
40	5V	42	5V
41	5V	43	5V

X14 B/2

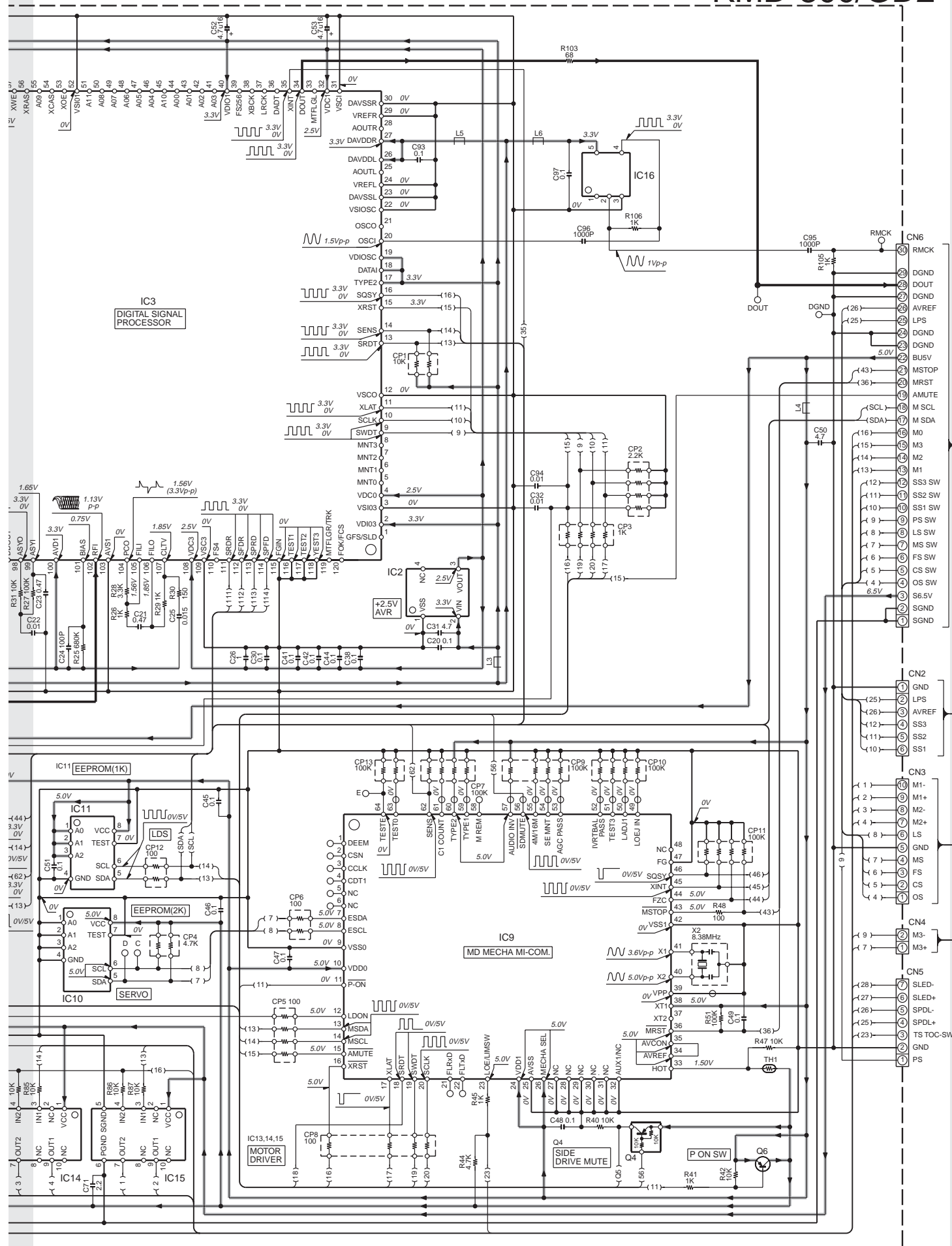


X14 B/2

Q	Address
60	5X
61	4X
62	3X
64	6X
66	2Y

Refer to the schematic diagram for the values of resistors and capacitors.

KMD-300/GD2

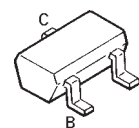
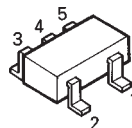


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UN5214
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FMG3A

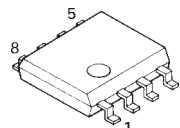
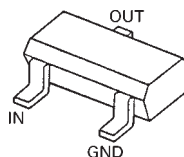
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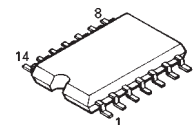
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DAP202U
DA204U

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MA142WK
MA143

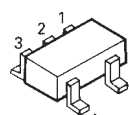
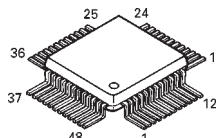
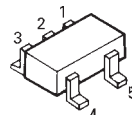
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TC74HC32AF



TC7SH08FU

CXA2523AR

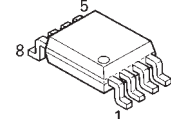
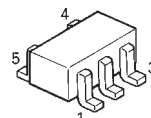
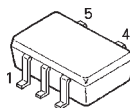
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PST9142NR

TC7SHU04FU

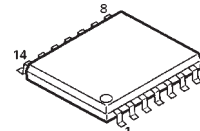
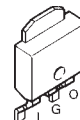
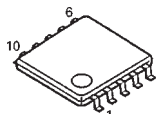
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LB1930M

L88M33T

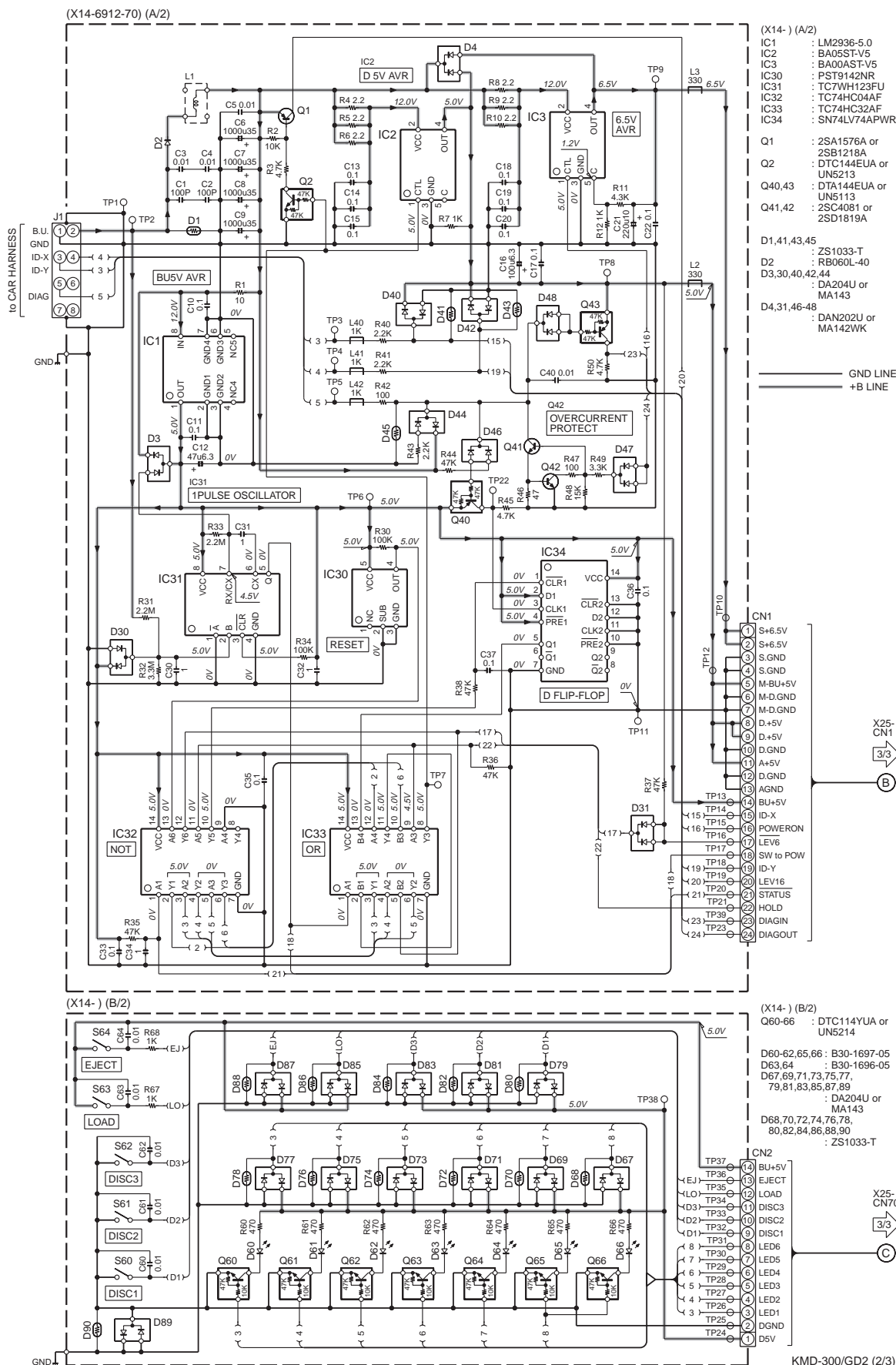
SN74LV74APWR



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
△ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KMD-300/GD2

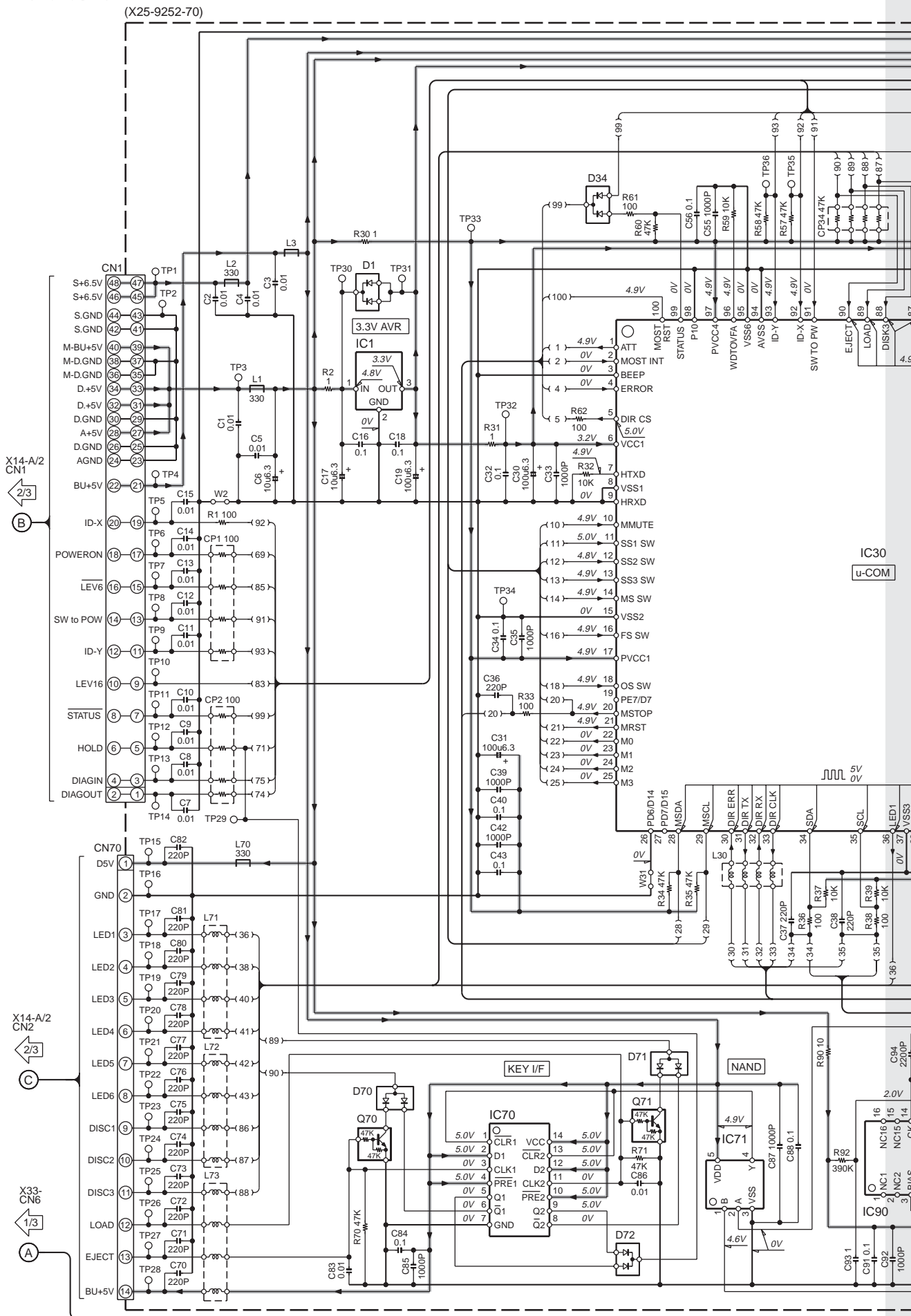


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

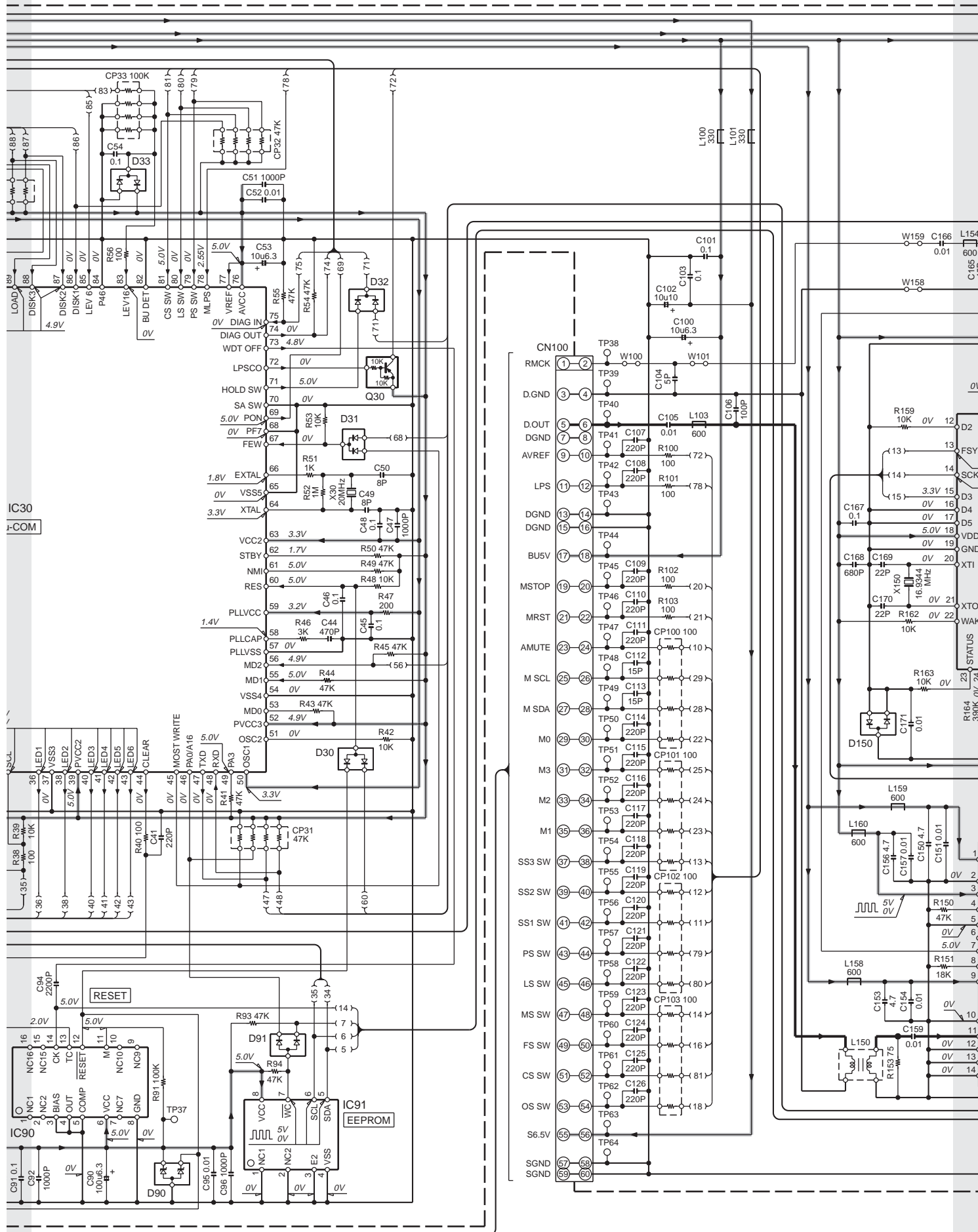
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

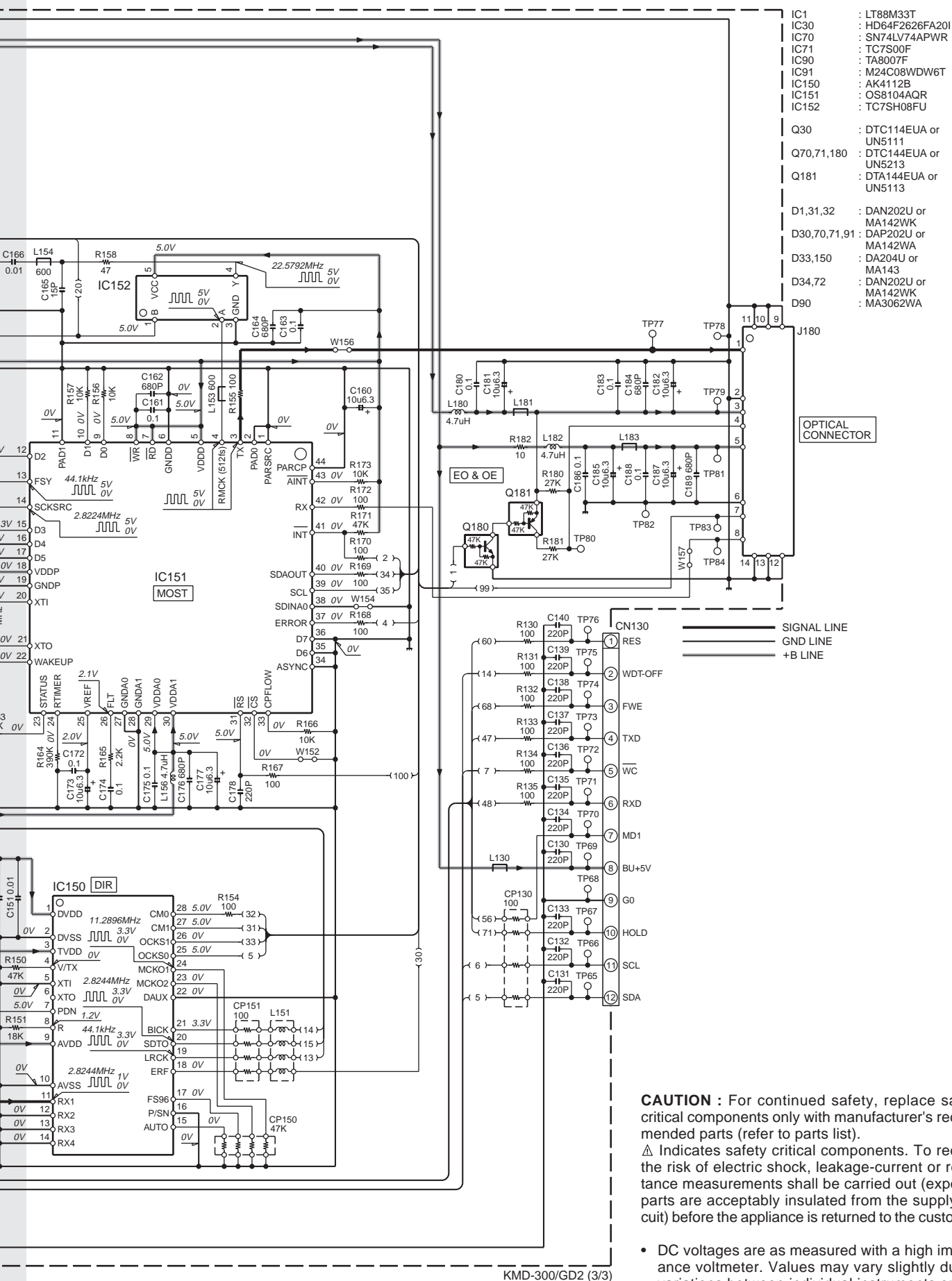
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KMD-300/GD2

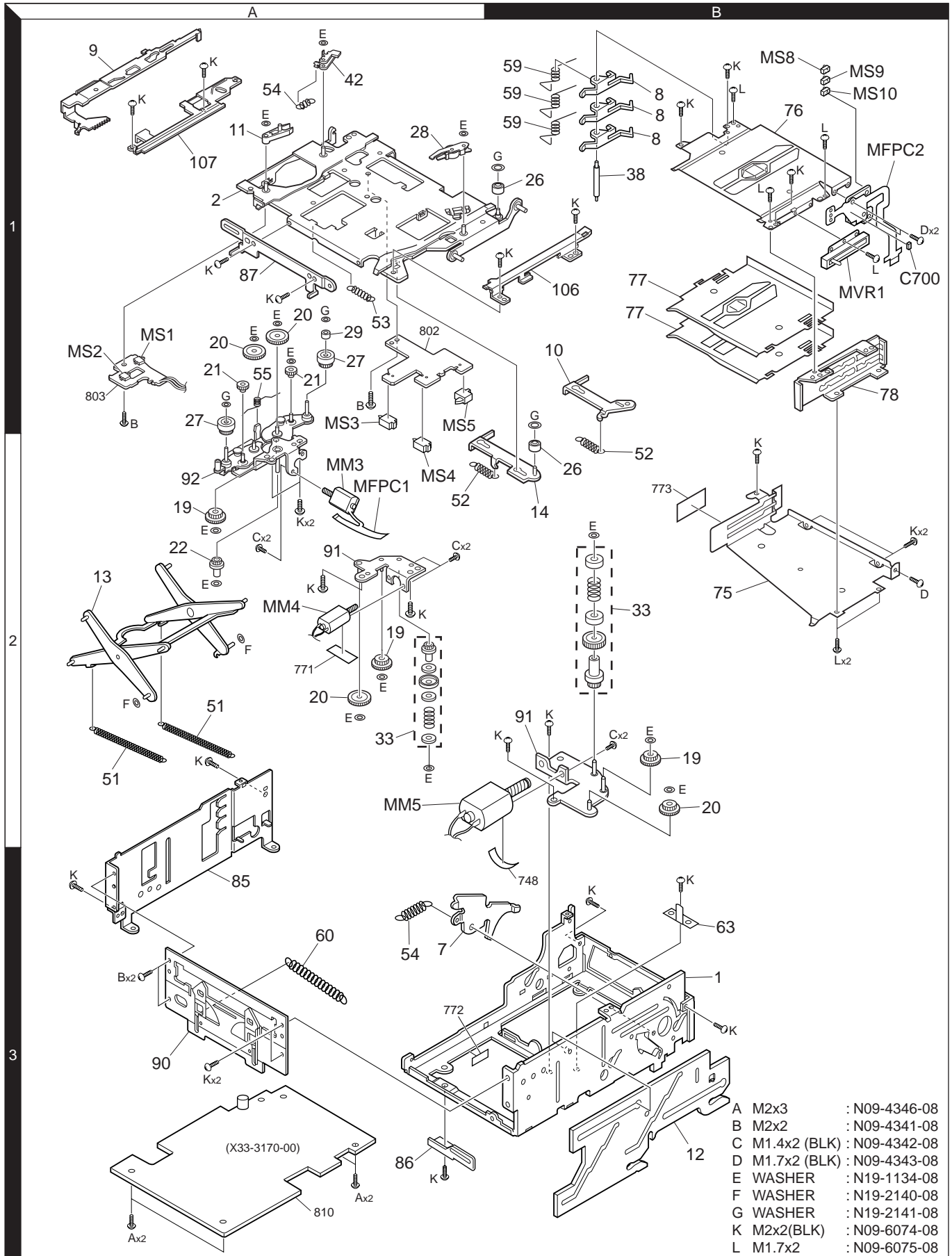


KMD-300/GD2





EXPLODED VIEW (MD MECHANISM) (1/2)

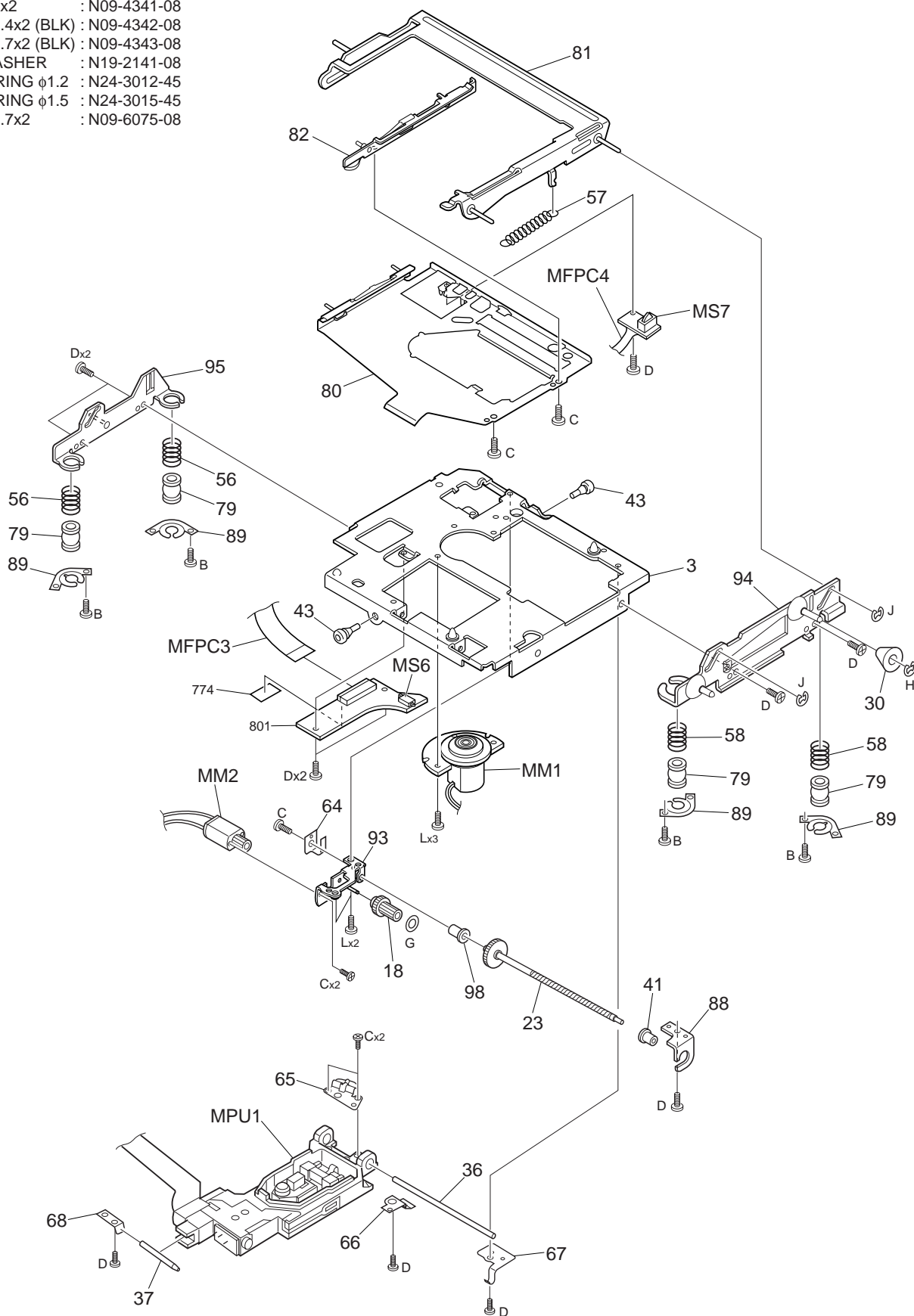


Parts with the exploded numbers larger than 700 are not supplied.

KMD-300/GD2

EXPLODED VIEW (MD MECHANISM) (2/2)

- B M2x2 : N09-4341-08
 C M1.4x2 (BLK) : N09-4342-08
 D M1.7x2 (BLK) : N09-4343-08
 G WASHER : N19-2141-08
 H E-RING $\phi 1.2$: N24-3012-45
 J E-RING $\phi 1.5$: N24-3015-45
 L M1.7x2 : N09-6075-08



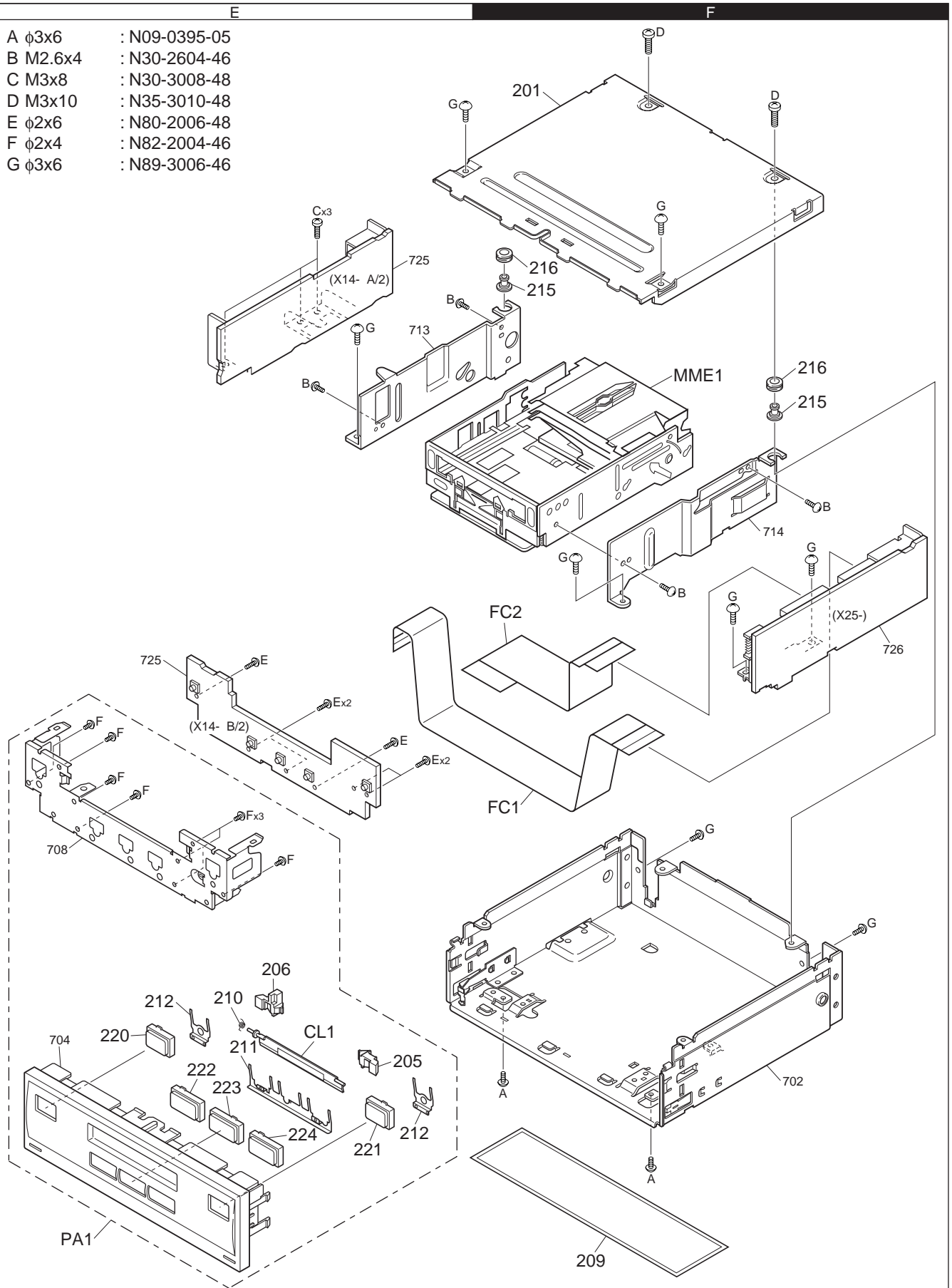
EXPLODED VIEW (UNIT)

A $\phi 3 \times 6$: N09-0395-05
B M2.6x4	: N30-2604-46
C M3x8	: N30-3008-48
D M3x10	: N35-3010-48
E $\phi 2 \times 6$: N80-2006-48
F $\phi 2 \times 4$: N82-2004-46
G $\phi 3 \times 6$: N89-3006-46

1

2

3



KMD-300/GD2

PARTS LIST

* New parts
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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
KMD-300/GD2					
201 CL1 PA1	1F 3E 3E	* * *	A01-2794-12 A53-1705-03 A64-2691-12	METALLIC CABINET CASSETTE LID PANEL ASSY	
205 206	3E 3E	* *	B19-2141-04 B19-2142-04	LIGHTING BOARD LIGHTING BOARD	
FC1 FC2	2F 2F	* *	E39-0446-05 E39-0560-05	FLAT CABLE (24P) FLAT CABLE (30P,140MM)	
209	3F	*	F20-2167-04	INSULATING SHEET	
210 211 212	3E 3E 3E	 * *	G01-2922-04 G02-1437-04 G02-1438-04	TORSION COIL SPRING FLAT SPRING FLAT SPRING	
- - -		* * *	H10-4829-02 H10-4830-02 H25-1132-04	POLYSTYRENE FOAMED FIXTURE POLYSTYRENE FOAMED FIXTURE PROTECTION BAG (0.3X280X450)	
215 216	1F 1F	* *	J39-0850-04 J42-0632-05	SPACER BUSHING	
220 221 222 223 224	3E 3E 3E 3E 3E	* * * * *	K24-3858-13 K24-3859-13 K24-3860-13 K24-3861-13 K24-3862-13	KNOB (EJECT) KNOB (LOAD) KNOB (L) KNOB (C) KNOB (R)	
A B C D E	3F 1E 1E 1F 2E	 * * 	N09-0395-05 N30-2604-46 N30-3008-48 N35-3010-48 N80-2006-48	TAPTITE SCREW (3X6,B) PAN HEAD MACHINE SCREW PAN HEAD MACHINE SCREW BINDING HEAD MACHINE SCREW PAN HEAD TAPTITE SCREW	
F G	2E 3F	 	N82-2004-46 N89-3006-46	BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW	
MME1	1F	*	X92-4560-00	MECHANISM ASSY	
DISPLAY UNIT (X14-6912-70)					
D60-62 D63,64 D65,66		* * *	B30-1697-05 B30-1696-05 B30-1697-05	LED (5.5MA) LED (2MA) LED (5.5MA)	
C1,2 C3-5 C6-9 C10 C11		* *	CC73GCH1H101J CK73GB1H103K C90-5681-05 CK73GB1H104K CK73GB1C104K	CHIP C 100PF J CHIP C 0.010UF K ELECTRO 1000UF 35WV CHIP C 0.10UF K CHIP C 0.10UF K	
C12 C13-15 C16 C17 C18-20			C92-1603-05 CK73GB1H104K C92-1407-05 CK73GB1C104K CK73GB1H104K	ELECTRO 47UF 6.3WV CHIP C 0.10UF K ELECTRO 100UF 6.3WV CHIP C 0.10UF K CHIP C 0.10UF K	
C21 C22 C30-32 C33 C34			C92-1425-05 CK73GB1C104K CK73GB0J105K CK73GB1C104K CK73GB0J105K	ELECTRO 220UF 10WV CHIP C 0.10UF K CHIP C 1.0UF K CHIP C 0.10UF K CHIP C 1.0UF K	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C35-37 C40 C60-64			CK73GB1C104K CK73GB1H103K CK73GB1H103K	CHIP C 0.10UF K CHIP C 0.010UF K CHIP C 0.010UF K	
CN1 CN2 J1		* 	E40-9527-05 E41-0038-05 E58-0927-05	FLAT CABLE CONNECTOR SOCKET FOR PIN ASSY RECTANGULAR RECEPTACLE	
L1 L2,3 L40-42		* * *	L33-1018-05 L92-0383-05 L92-0385-05	CHOKO COIL CHIP FERRITE CHIP FERRITE	
R1 R2 R3 R4-6 R7			RK73GB2A100J RK73GB2A103J RK73GB2A472J RK73EB2E2R2J RK73GB2A102J	CHIP R 10 J 1/10W CHIP R 10K J 1/10W CHIP R 4.7K J 1/10W CHIP R 2.2 J 1/4W CHIP R 1.0K J 1/10W	
R8-10 R11 R12 R30 R31			RK73EB2E2R2J RK73GB2A432J RK73GB2A102J RK73GB2A104J RK73GB2A225J	CHIP R 2.2 J 1/4W CHIP R 4.3K J 1/10W CHIP R 1.0K J 1/10W CHIP R 100K J 1/10W CHIP R 2.2M J 1/10W	
R32 R33 R34 R35-38 R40,41		* 	RK73GB2A335J RK73GB2A225J RK73GB2A104J RK73GB2A473J RK73GB2A222J	CHIP R 3.3M J 1/10W CHIP R 2.2M J 1/10W CHIP R 100K J 1/10W CHIP R 47K J 1/10W CHIP R 2.2K J 1/10W	
R42 R43 R44 R45 R46			RK73GB2A101J RK73GB2A222J RK73GB2A473J RK73GB2A472J RK73GB2A470J	CHIP R 100 J 1/10W CHIP R 2.2K J 1/10W CHIP R 47K J 1/10W CHIP R 4.7K J 1/10W CHIP R 47 J 1/10W	
R47 R48 R49 R50 R60-62			RK73GB2A101J RK73GB2A153J RK73GB2A332J RK73GB2A472J RK73GB2A561J	CHIP R 100 J 1/10W CHIP R 15K J 1/10W CHIP R 3.3K J 1/10W CHIP R 4.7K J 1/10W CHIP R 560 J 1/10W	
R63,64 R65,66 R67,68			RK73GB2A152J RK73GB2A561J RK73GB2A102J	CHIP R 1.5K J 1/10W CHIP R 560 J 1/10W CHIP R 1.0K J 1/10W	
S60-64		* 	S70-0891-05 ZS1033-T	TACT SWITCH SURGE ABSORBER	
D1 D2 D3 D3 D4		* 	RB060L-40 DA204U MA143 DAN202U	DIODE DIODE DIODE DIODE	
D4 D30 D30 D31 D31			MA142WK DA204U MA143 DAN202U MA142WK	DIODE DIODE DIODE DIODE DIODE	
D40 D40 D41 D42 D42		* 	DA204U MA143 ZS1033-T DA204U MA143	DIODE DIODE SURGE ABSORBER DIODE DIODE	

E : Europe △ Indicates safety critical components.

PARTS LIST

* New parts

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DISPLAY UNIT (X14-6912-70)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
D43		*	ZS1033-T	SURGE ABSORBER	
D44			DA204U	DIODE	
D44			MA143	DIODE	
D45		*	ZS1033-T	SURGE ABSORBER	
D46-48			DAN202U	DIODE	
D46-48			MA142WK	DIODE	
D67			DA204U	DIODE	
D67			MA143	DIODE	
D68		*	ZS1033-T	SURGE ABSORBER	
D69			DA204U	DIODE	
D69			MA143	DIODE	
D70		*	ZS1033-T	SURGE ABSORBER	
D71			DA204U	DIODE	
D71			MA143	DIODE	
D72		*	ZS1033-T	SURGE ABSORBER	
D73			DA204U	DIODE	
D73			MA143	DIODE	
D74		*	ZS1033-T	SURGE ABSORBER	
D75			DA204U	DIODE	
D75			MA143	DIODE	
D76		*	ZS1033-T	SURGE ABSORBER	
D77			DA204U	DIODE	
D77			MA143	DIODE	
D78		*	ZS1033-T	SURGE ABSORBER	
D79			DA204U	DIODE	
D79			MA143	DIODE	
D80		*	ZS1033-T	SURGE ABSORBER	
D81			DA204U	DIODE	
D81			MA143	DIODE	
D82		*	ZS1033-T	SURGE ABSORBER	
D83			DA204U	DIODE	
D83			MA143	DIODE	
D84		*	ZS1033-T	SURGE ABSORBER	
D85			DA204U	DIODE	
D85			MA143	DIODE	
D86		*	ZS1033-T	SURGE ABSORBER	
D87			DA204U	DIODE	
D87			MA143	DIODE	
D88		*	ZS1033-T	SURGE ABSORBER	
D89			DA204U	DIODE	
D89			MA143	DIODE	
D90		*	ZS1033-T	SURGE ABSORBER	
IC1		*	LM2936-5.0	ANALOGUE IC	
IC2		*	BA05ST-V5	ANALOGUE IC	
IC3		*	BA00AST-V5	ANALOGUE IC	
IC30			PST9142NR	ANALOGUE IC	
IC31			TC7WH123FU	MOS-IC	
IC32			TC74HC04AF	MOS-IC	
IC33			TC74HC32AF	MOS-IC	
IC34			SN74LV74APWR	MOS-IC	
Q1			2SA1576A	TRANSISTOR	
Q1			2SB1218A	TRANSISTOR	
Q2			DTA144EUA	DIGITAL TRANSISTOR	
Q2			UN5213	DIGITAL TRANSISTOR	
Q40			DTA144EUA	DIGITAL TRANSISTOR	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q40			UN5113	DIGITAL TRANSISTOR	
Q41,42			2SC4081	TRANSISTOR	
Q41,42			2SD1819A	TRANSISTOR	
Q43			DTA144EUA	DIGITAL TRANSISTOR	
Q43			UN5113	DIGITAL TRANSISTOR	
Q60-66			DTC114YUA	DIGITAL TRANSISTOR	
Q60-66			UN5214	DIGITAL TRANSISTOR	
ELECTRIC UNIT (X25-9252-70)					
C1-5			CK73GB1H103K	CHIP C	0.010UF K
C6			C94-0055-05	ELECTRO	10UF 6.3WV
C7-15			CK73GB1H103K	CHIP C	0.010UF K
C16			CK73GB1C104K	CHIP C	0.10UF K
C17			C94-0055-05	ELECTRO	10UF 6.3WV
C18			CK73GB1C104K	CHIP C	0.10UF K
C19		*	C90-5566-05	ELECTRO	100UF 6.3WV
C30,31		*	C90-5566-05	ELECTRO	100UF 6.3WV
C32			CK73GB1C104K	CHIP C	0.10UF K
C33			CC73GCH1H102J	CHIP C	1000PF J
C34			CK73GB1C104K	CHIP C	0.10UF K
C35			CC73GCH1H102J	CHIP C	1000PF J
C36-38			CC73GCH1H221J	CHIP C	220PF J
C39			CC73GCH1H102J	CHIP C	1000PF J
C40			CK73GB1C104K	CHIP C	0.10UF K
C41			CC73GCH1H221J	CHIP C	220PF J
C42			CC73GCH1H102J	CHIP C	1000PF J
C43			CK73GB1C104K	CHIP C	0.10UF K
C44			CC73GCH1H471J	CHIP C	470PF J
C45,46			CK73GB1C104K	CHIP C	0.10UF K
C47			CC73GCH1H102J	CHIP C	1000PF J
C48			CK73GB1C104K	CHIP C	0.10UF K
C49,50			CC73GCH1H080D	CHIP C	8.0PF D
C51			CC73GCH1H102J	CHIP C	1000PF J
C52			CK73GB1H103K	CHIP C	0.010UF K
C53			C94-0055-05	ELECTRO	10UF 6.3WV
C54			CK73GB1C104K	CHIP C	0.10UF K
C55			CC73GCH1H102J	CHIP C	1000PF J
C56			CK73GB1C104K	CHIP C	0.10UF K
C70-82			CC73GCH1H221J	CHIP C	220PF J
C83			CK73GB1H103K	CHIP C	0.010UF K
C84			CK73GB1C104K	CHIP C	0.10UF K
C85			CC73GCH1H102J	CHIP C	1000PF J
C86			CK73GB1H103K	CHIP C	0.010UF K
C87			CC73GCH1H102J	CHIP C	1000PF J
C88			CK73GB1C104K	CHIP C	0.10UF K
C90		*	C90-5566-05	ELECTRO	100UF 6.3WV
C91			CK73GB1C104K	CHIP C	0.10UF K
C92			CC73GCH1H102J	CHIP C	1000PF J
C93			CK73GB0J105K	CHIP C	1.0UF K
C94			CK73GB1H222K	CHIP C	2200PF K
C95			CK73GB1H103K	CHIP C	0.010UF K
C96			CC73GCH1H102J	CHIP C	1000PF J
C100			C94-0055-05	ELECTRO	10UF 6.3WV
C101			CK73GB1C104K	CHIP C	0.10UF K
C102			C94-0056-05	ELECTRO	10UF 10WV

E : Europe

△ Indicates safety critical components.

PARTS LIST

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ELECTRIC UNIT (X25-9252-70)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C103			CK73GB1C104K	CHIP C 0.10UF K	
C104			CC73GCH1H050C	CHIP C 5.0PF C	
C105			CK73GB1H103K	CHIP C 0.010UF K	
C106			CC73GCH1H101J	CHIP C 100PF J	
C107-111			CC73GCH1H221J	CHIP C 220PF J	
C112,113			CC73GCH1H150J	CHIP C 15PF J	
C114-126			CC73GCH1H221J	CHIP C 220PF J	
C130-140			CC73GCH1H221J	CHIP C 220PF J	
C150			CK73FB0J475K	CHIP C 4.7UF K	
C151			CK73GB1H103K	CHIP C 0.010UF K	
C153			CK73FB0J475K	CHIP C 4.7UF K	
C154			CK73GB1H103K	CHIP C 0.010UF K	
C156			CK73FB0J475K	CHIP C 4.7UF K	
C157			CK73GB1H103K	CHIP C 0.010UF K	
C159			CK73GB1H103K	CHIP C 0.010UF K	
C160			C94-0055-05	ELECTRO 10UF 6.3WV	
C161			CK73GB1C104K	CHIP C 0.10UF K	
C162			CC73GCH1H681J	CHIP C 680PF J	
C163			CK73GB1C104K	CHIP C 0.10UF K	
C164			CC73GCH1H681J	CHIP C 680PF J	
C165			CC73GCH1H150J	CHIP C 15PF J	
C166			CK73GB1H103K	CHIP C 0.010UF K	
C167			CK73GB1C104K	CHIP C 0.10UF K	
C168			CC73GCH1H681J	CHIP C 680PF J	
C169,170			CC73GCH1H220J	CHIP C 22PF J	
C171			CK73GB1H103K	CHIP C 0.010UF K	
C172			CK73GB1C104K	CHIP C 0.10UF K	
C173			C94-0055-05	ELECTRO 10UF 6.3WV	
C174,175			CK73GB1C104K	CHIP C 0.10UF K	
C176			CC73GCH1H681J	CHIP C 680PF J	
C177			C94-0055-05	ELECTRO 10UF 6.3WV	
C178			CC73GCH1H221J	CHIP C 220PF J	
C180			CK73GB1C104K	CHIP C 0.10UF K	
C181,182			C94-0055-05	ELECTRO 10UF 6.3WV	
C183			CK73GB1C104K	CHIP C 0.10UF K	
C184			CC73GCH1H681J	CHIP C 680PF J	
C185			C94-0055-05	ELECTRO 10UF 6.3WV	
C186			CK73GB1C104K	CHIP C 0.10UF K	
C187			C94-0055-05	ELECTRO 10UF 6.3WV	
C188			CK73GB1C104K	CHIP C 0.10UF K	
C189			CC73GCH1H681J	CHIP C 680PF J	
CN1			E40-9656-05	FLAT CABLE CONNECTOR	
CN70		*	E41-2042-05	PIN ASSY	
CN100			E40-9689-05	FLAT CABLE CONNECTOR	
CN130		*	E41-0171-05	PIN ASSY	
J180		*	E58-0987-05	RECTANGULAR RECEPTACLE	
L1,2		*	L92-0383-05	CHIP FERRITE	
L3			L92-0337-05	CHIP FERRITE	
L30		*	L92-0387-05	CHIP FERRITE	
L70		*	L92-0383-05	CHIP FERRITE	
L71-73		*	L92-0387-05	CHIP FERRITE	
L100,101		*	L92-0383-05	CHIP FERRITE	
L103		*	L92-0386-05	CHIP FERRITE	
L130			L92-0337-05	CHIP FERRITE	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
L150		*	L33-1922-05	CHOKE COIL	
L151		*	L92-0387-05	CHIP FERRITE	
L153,154		*	L92-0386-05	CHIP FERRITE	
L156			L40-4792-88	SMALL FIXED INDUCTOR	
L158-160		*	L92-0386-05	CHIP FERRITE	
L180			L40-4792-88	SMALL FIXED INDUCTOR	
L181			L92-0337-05	CHIP FERRITE	
L182			L40-4792-88	SMALL FIXED INDUCTOR	
L183			L92-0337-05	CHIP FERRITE	
X30		*	L77-2812-05	CRYSTAL RESONATOR(20MHZ)	
X150			L77-2715-05	CRYSTAL RESONATOR	
CP1,2			R90-1014-05	MULTI-COMP 100 X4	
CP31,32			R90-0748-05	MULTI-COMP 47K X4	
CP33			R90-0720-05	MULTI-COMP 100K X4	
CP34			R90-0748-05	MULTI-COMP 47K X4	
CP100-103			R90-1014-05	MULTI-COMP 100 X4	
CP130			R90-1014-05	MULTI-COMP 100 X4	
CP150			R90-0748-05	MULTI-COMP 47K X4	
CP151			R90-1014-05	MULTI-COMP 100 X4	
R1			RK73GB2A101J	CHIP R 100 J 1/10W	
R2			RK73GB2A1R0J	CHIP R 1.0 J 1/10W	
R30,31			RK73GB2A1R0J	CHIP R 1.0 J 1/10W	
R32			RK73GB2A103J	CHIP R 10K J 1/10W	
R33			RK73GB2A101J	CHIP R 100 J 1/10W	
R34,35			RK73GB2A473J	CHIP R 47K J 1/10W	
R36			RK73GB2A101J	CHIP R 100 J 1/10W	
R37			RK73GB2A103J	CHIP R 10K J 1/10W	
R38			RK73GB2A101J	CHIP R 100 J 1/10W	
R39			RK73GB2A103J	CHIP R 10K J 1/10W	
R40			RK73GB2A101J	CHIP R 100 J 1/10W	
R41			RK73GB2A473J	CHIP R 47K J 1/10W	
R42			RK73GB2A103J	CHIP R 10K J 1/10W	
R43-45			RK73GB2A473J	CHIP R 47K J 1/10W	
R46			RK73GB2A302J	CHIP R 3.0K J 1/10W	
R47			RK73GB2A201J	CHIP R 200 J 1/10W	
R48			RK73GB2A103J	CHIP R 10K J 1/10W	
R49,50			RK73GB2A473J	CHIP R 47K J 1/10W	
R51			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R52			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R53			RK73GB2A103J	CHIP R 10K J 1/10W	
R54,55			RK73GB2A473J	CHIP R 47K J 1/10W	
R56			RK73GB2A101J	CHIP R 100 J 1/10W	
R57,58			RK73GB2A473J	CHIP R 47K J 1/10W	
R59			RK73GB2A103J	CHIP R 10K J 1/10W	
R60			RK73GB2A473J	CHIP R 47K J 1/10W	
R61,62			RK73GB2A101J	CHIP R 100 J 1/10W	
R70,71			RK73GB2A473J	CHIP R 47K J 1/10W	
R90			RK73GB2A100J	CHIP R 10 J 1/10W	
R91			RK73GB2A104J	CHIP R 100K J 1/10W	
R92			RK73GB2A394J	CHIP R 390K J 1/10W	
R93,94			RK73GB2A473J	CHIP R 47K J 1/10W	
R100-103			RK73GB2A101J	CHIP R 100 J 1/10W	
R130-135			RK73GB2A101J	CHIP R 100 J 1/10W	
R150			RK73GB2A473J	CHIP R 47K J 1/10W	

E : Europe

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* New parts

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ELECTRIC UNIT (X25-9252-70)

Ref. No.	Added	New	Parts No.	Description	Destination
R151			RK73GB2A183J	CHIP R 18K J 1/10W	
R153			RK73GB2A750J	CHIP R 75 J 1/10W	
R154,155			RK73GB2A101J	CHIP R 100 J 1/10W	
R156,157			RK73GB2A103J	CHIP R 10K J 1/10W	
R158			RK73GB2A470J	CHIP R 47 J 1/10W	
R159			RK73GB2A103J	CHIP R 10K J 1/10W	
R162,163			RK73GB2A103J	CHIP R 10K J 1/10W	
R164			RK73GB2A394J	CHIP R 390K J 1/10W	
R165			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R166			RK73GB2A103J	CHIP R 10K J 1/10W	
R167-170			RK73GB2A101J	CHIP R 100 J 1/10W	
R171			RK73GB2A473J	CHIP R 47K J 1/10W	
R172			RK73GB2A101J	CHIP R 100 J 1/10W	
R173			RK73GB2A103J	CHIP R 10K J 1/10W	
R180,181			RK73GB2A273J	CHIP R 27K J 1/10W	
R182			RK73GB2A100J	CHIP R 10 J 1/10W	
W2			R92-2053-05	CHIP R 0 J 1/8W	
W31			R92-1252-05	CHIP R 0 OHM J 1/16W	
W100,101			R92-1252-05	CHIP R 0 OHM J 1/16W	
W152			R92-1252-05	CHIP R 0 OHM J 1/16W	
W154			R92-1252-05	CHIP R 0 OHM J 1/16W	
W156,157			R92-1252-05	CHIP R 0 OHM J 1/16W	
W158,159			R92-2053-05	CHIP R 0 J 1/8W	
D1			DAN202U	DIODE	
D1			MA142WK	DIODE	
D30			DAP202U	DIODE	
D30			MA142WA	DIODE	
D31,32			DAN202U	DIODE	
D31,32			MA142WK	DIODE	
D33			DA204U	DIODE	
D33			MA143	DIODE	
D34			DAN202U	DIODE	
D34			MA142WK	DIODE	
D70,71			DAP202U	DIODE	
D70,71			MA142WA	DIODE	
D72			DAN202U	DIODE	
D72			MA142WK	DIODE	
D90			MA3062WA	ZENER DIODE	
D91			DAP202U	DIODE	
D91			MA142WA	DIODE	
D150			DA204U	DIODE	
D150			MA143	DIODE	
IC1			L88M33T	ANALOGUE IC	
IC30		*	HD64F2626FA20I	MICROPROCESSOR IC	
IC70			SN74LV74APWR	MOS-IC	
IC71			TC7S00F	MOS-IC	
IC90		*	TA8007F	ANALOGUE IC	
IC91		*	M24C08WDW6T	MEMORY IC	
IC150		*	AK4112B	MOS-IC	
IC151		*	OS8104AQR	MOS-IC	
IC152			TC7SH08FU	MOS-IC	
Q30			DTA114EUA	DIGITAL TRANSISTOR	
Q30			UN5111	DIGITAL TRANSISTOR	
Q70,71			DTC144EUA	DIGITAL TRANSISTOR	

Ref. No.	Added	New	Parts No.	Description	Destination
Q70,71			UN5213	DIGITAL TRANSISTOR	
Q180			DTC144EUA	DIGITAL TRANSISTOR	
Q180			UN5213	DIGITAL TRANSISTOR	
Q181			DTA144EUA	DIGITAL TRANSISTOR	
Q181			UN5113	DIGITAL TRANSISTOR	
MD UNIT (X33-3170-00)					
C1			CC73GCH1E102J	CHIP C 1000PF J	
C2			C92-0628-05	CHIP-TAN 10UF 10WV	
C3			CK73GB1H103K	CHIP C 0.010UF K	
C4,5			C92-0628-05	CHIP-TAN 10UF 10WV	
C6			CK73GB1E223K	CHIP C 0.022UF K	
C7			CK73GB1C104K	CHIP C 0.10UF K	
C8,9			CK73GB1H103K	CHIP C 0.010UF K	
C10			CK73GB1E223K	CHIP C 0.022UF K	
C11			CK73GB1C104K	CHIP C 0.10UF K	
C12			CK73GB0J105K	CHIP C 1.0UF K	
C13			CK73FB0J475K	CHIP C 4.7UF K	
C14			CK73GB1H103K	CHIP C 0.010UF K	
C15			CK73GB1H472K	CHIP C 4700PF K	
C16			CK73GB1C104K	CHIP C 0.10UF K	
C17			CK73GB1H472K	CHIP C 4700PF K	
C18			CK73GB1A224K	CHIP C 0.22UF K	
C19			CK73GB0J105K	CHIP C 1.0UF K	
C20			CK73GB1C104K	CHIP C 0.10UF K	
C21			CK73GB1A474K	CHIP C 0.47UF K	
C22			CK73GB1H103K	CHIP C 0.010UF K	
C23			CK73GB1A474K	CHIP C 0.47UF K	
C24			CC73GCH1H101J	CHIP C 100PF J	
C25			CK73GB1H153K	CHIP C 0.015UF K	
C26			CK73GB0J105K	CHIP C 1.0UF K	
C27			CK73GB1C104K	CHIP C 0.10UF K	
C28			CK73FB0J475K	CHIP C 4.7UF K	
C30			CK73GB1C104K	CHIP C 0.10UF K	
C31			CK73FB0J475K	CHIP C 4.7UF K	
C32			CK73GB1H103K	CHIP C 0.010UF K	
C33			CK73GB0J105K	CHIP C 1.0UF K	
C35,36			CK73GB1C104K	CHIP C 0.10UF K	
C37			CK73GB1H103K	CHIP C 0.010UF K	
C38-49			CK73GB1C104K	CHIP C 0.10UF K	
C50			CK73FB0J475K	CHIP C 4.7UF K	
C51			CK73GB1C104K	CHIP C 0.10UF K	
C52,53			C92-1324-05	CHIP-TAN 4.7UF 16WV	
C55-58			CK73GB1H222K	CHIP C 2200PF K	
C59-61			CK73GB1C104K	CHIP C 0.10UF K	
C62-65			CK73GB1E223K	CHIP C 0.022UF K	
C66			C92-1429-05	ELECTRO 220UF 6.3WV	
C67			CK73GB1C104K	CHIP C 0.10UF K	
C69-71			CK73FB1A225K	CHIP C 2.2UF K	
C72			C92-0628-05	CHIP-TAN 10UF 10WV	
C73			CK73FB1A225K	CHIP C 2.2UF K	
C74			CK73EB0J106K	CHIP C 10UF K	
C93			CK73GB1C104K	CHIP C 0.10UF K	
C94			CK73GB1H103K	CHIP C 0.010UF K	
C95,96			CK73GB1H102K	CHIP C 1000PF K	
C97			CK73GB1C104K	CHIP C 0.10UF K	

E : Europe

△ Indicates safety critical components.

KMD-300/GD2

PARTS LIST

* New parts

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MD UNIT (X33-3170-00)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C98			CK73GB1H102K	CHIP C 1000PF K	
CN1			E40-9693-05	FLAT CABLE CONNECTOR	
CN2			E40-9713-05	FLAT CABLE CONNECTOR	
CN3			E40-9661-05	FLAT CABLE CONNECTOR	
CN4			E40-8078-05	PIN ASSY	
CN5			E40-9714-05	FLAT CABLE CONNECTOR	
CN6			E40-9373-05	FLAT CABLE CONNECTOR	
L1			L92-0322-05	CHIP FERRITE	
L2-6			L92-0329-05	CHIP FERRITE	
L7		*	L92-0385-05	CHIP FERRITE	
X2			L78-0571-05	RESONATOR	
CP1			R90-0726-05	MULTI-COMP 10K X2	
CP2			R90-0722-05	MULTI-COMP 2.2K X4	
CP3			R90-0724-05	MULTI-COMP 1K X4	
CP4			R90-0719-05	MULTI-COMP 4.7K X2	
CP5			R90-1014-05	MULTI-COMP 100 X4	
CP6			R90-1019-05	MULTI-COMP 100 X2	
CP7			R90-0720-05	MULTI-COMP 100K X4	
CP8			R90-1014-05	MULTI-COMP 100 X4	
CP9-11			R90-0720-05	MULTI-COMP 100K X4	
CP12			R90-1019-05	MULTI-COMP 100 X2	
CP13			R90-0737-05	MULTI-COMP 100K X2	
R1			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R2			RK73GB2A474J	CHIP R 470K J 1/10W	
R3			RK73GB2A104J	CHIP R 100K J 1/10W	
R4			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R5			RK73GB2A151J	CHIP R 150 J 1/10W	
R6			RK73GB2A474J	CHIP R 470K J 1/10W	
R7			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R8			RK73GB2A103J	CHIP R 10K J 1/10W	
R9			RK73GB2A913J	CHIP R 91K J 1/10W	
R10			RK73GB2A333J	CHIP R 33K J 1/10W	
R12			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R13-15			RK73GB2A133J	CHIP R 13K J 1/10W	
R16			RK73GB2A151J	CHIP R 150 J 1/10W	
R17			RK73GB2A473J	CHIP R 47K J 1/10W	
R18			RK73GB2A101J	CHIP R 100 J 1/10W	
R19			RK73GB2A563J	CHIP R 56K J 1/10W	
R20			RK73GB2A101J	CHIP R 100 J 1/10W	
R21			RK73GB2A331J	CHIP R 330 J 1/10W	
R22			RK73GB2A681J	CHIP R 680 J 1/10W	
R23,24			RK73GB2A473J	CHIP R 47K J 1/10W	
R25			RK73GB2A684J	CHIP R 680K J 1/10W	
R26			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R27			RK73GB2A104J	CHIP R 100K J 1/10W	
R28			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R30			RK73GB2A151J	CHIP R 150 J 1/10W	
R31			RK73GB2A103J	CHIP R 10K J 1/10W	
R34			RK73GB2A681J	CHIP R 680 J 1/10W	
R35			RK73GB2A394J	CHIP R 390K J 1/10W	
R36			RK73GB2A103J	CHIP R 10K J 1/10W	
R37			RK73GB2A101J	CHIP R 100 J 1/10W	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R40			RK73GB2A103J	CHIP R 10K J 1/10W	
R41			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R42			RK73GB2A103J	CHIP R 10K J 1/10W	
R43			RK73GB2A104J	CHIP R 100K J 1/10W	
R44			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R45			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R47			RK73GB2A103J	CHIP R 10K J 1/10W	
R48			RK73GB2A101J	CHIP R 100 J 1/10W	
R51			RK73GB2A104J	CHIP R 100K J 1/10W	
R53			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R55			RK73GB2A201J	CHIP R 200 J 1/10W	
R64-67			RK73GB2A183J	CHIP R 18K J 1/10W	
R68-75			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R76,77			RK73GB2A333J	CHIP R 33K J 1/10W	
R78,79			RK73GB2A163J	CHIP R 16K J 1/10W	
R80,81			RK73GB2A203J	CHIP R 20K J 1/10W	
R82-87			RK73GB2A103J	CHIP R 10K J 1/10W	
R105,106			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R107			RK73GB2A472J	CHIP R 4.7K J 1/10W	
D1			DAN202U	DIODE	
D1			MA142WK	DIODE	
D3			MA8056-M	ZENER DIODE	
IC1			CXA2523AR	ANALOGUE IC	
IC2			S-817A25ANB	MOS-IC	
IC3			CXD2667R	MOS-IC	
IC7			L88MS33T	ANALOGUE IC	
IC8			TC74HCT7007AF	MOS-IC	
IC9			780076YGK-R14	MICROCONTROLLER IC	
IC10			BR24C02FV-W	ROM IC	
IC10			M24C02WDW6T	MEMORY IC	
IC11			S-24C01AFJA	ROM IC	
IC12			BA5983FM	ANALOGUE IC	
IC13-15			LB1930M	ANALOGUE IC	
IC16			TC7SHU04FU	MOS-IC	
Q1			2SB1295	TRANSISTOR	
Q2			DTA114EUA	DIGITAL TRANSISTOR	
Q2			UN5111	DIGITAL TRANSISTOR	
Q3			2SC4116(Y)	TRANSISTOR	
Q4			DTA114EUA	DIGITAL TRANSISTOR	
Q4			UN5111	DIGITAL TRANSISTOR	
Q5			FMG3A	DIGITAL TRANSISTOR	
Q6			2SA1576A	TRANSISTOR	
Q6			2SB1218A	TRANSISTOR	
Q7			DTC143EUA	DIGITAL TRANSISTOR	
Q8			DTA114EUA	DIGITAL TRANSISTOR	
Q8			UN5111	DIGITAL TRANSISTOR	
Q9			2SC4081	TRANSISTOR	
Q9			2SD1819A	TRANSISTOR	
Q10			2SB1202	TRANSISTOR	
Q11			DTC143EUA	DIGITAL TRANSISTOR	
TH1			TN20-3T333JT	THERMISTOR	
MD MECHANISM ASSY (X92-4560-00)					
1	3B		A10-4638-18	CHASSIS CALKING ASSY (MAIN)	
2	1A	*	A10-5040-08	CHASSIS CALKING ASSY (BASE)	

E : Europe

△ Indicates safety critical components.

PARTS LIST

* New parts

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MD MECHANISM ASSY (X92-4560-00)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
3	2D		A10-4640-18	CHASSIS CALKING ASSY (PU)		82	1C		J19-4969-08	HOLDER ASSY (CONTAINER R)	
C700	1B		C92-0628-05	CHIP-TAN 10UF 10WV		85	2A	*	J21-9855-08	MOUTING HARDWARE (SIDE PLATE)	
7	3A		D10-4340-18	LEVER (LOCK PLATE)		86	3A		J21-9403-08	MOUTING HARDWARE (RINK A)	
8	1B		D10-4344-18	LEVER (PUCHASSISLOCK)		87	1A		J21-9404-08	MOUTING HARDWARE (RINK B)	
9	1A	*	D10-4684-08	SLIDER (MODE CHANGE)		88	3D		J21-9407-18	MOUTING HARDWARE (F SCREW)	
10	1B		D10-4348-18	SLIDER (SENSE PLATE M)		89	2C		J21-9410-08	MOUTING HARDWARE (CUSHION)	
11	1A		D10-4353-08	ARM (GUIDE ARM)		90	3A		J21-9476-08	MOUTING HARDWARE ASSY (SHUTTER)	
12	3B	*	D10-4725-08	SLIDER		91	2A		J21-9477-08	MOUTING HARDWARE (GEAR PLATE)	
13	2A		D10-4405-08	ARM ASSY (LINK ARM)		92	2A	*	J21-9967-08	MOUTING HARDWARE ASSY (G PLA B)	
14	2B		D10-4406-18	SLIDER ASSY (SENSE PLATE F)		93	2C		J21-9479-08	MOUTING HARDWARE ASSY (G PLA F)	
18	3C		D13-1465-08	GEAR (F DRIVE GEAR)		94	2D		J21-9480-08	MOUTING HARDWARE ASSY (PU S R)	
19	2A		D13-1469-08	GEAR (GEAR 1)		95	1C		J21-9481-08	MOUTING HARDWARE ASSY (PU S L)	
20	1A		D13-1470-08	GEAR (GEAR 2)		98	3D		J31-1043-08	COLLAR	
21	1A		D13-1471-08	GEAR (GEAR 3)		106	1B	*	J90-1036-08	GUIDE (GUIDE RAIL R)	
22	2A		D13-1473-08	GEAR (WORM)		107	1A	*	J90-1054-08	RAIL ASSY (GUIDE RAIL L)	
23	3D		D13-2034-08	GEAR ASSY (LEAD SCREW)		MFPC1	2A		J84-0095-08	FLEXIBLE PRINTED WIRING BOARD	
26	1B		D14-0720-18	ROLLER (SENSE)		MFPC2	1B		J84-0096-18	FLEXIBLE PRINTED WIRING BOARD	
27	1A	*	D14-0775-08	ROLLER (LOAD/EJECT)		MFPC3	2C		J84-0097-08	FLEXIBLE PRINTED WIRING BOARD	
28	1A		D14-0729-18	ROLLER ASSY (PROTECT)		MFPC4	1D		J84-0098-08	FLEXIBLE PRINTED WIRING BOARD	
29	1A	*	D14-0782-08	ROLLER (MODE CHANGE)		A	3A		N09-4346-08	MACHINE SCREW (M2X3)	
30	2D		D14-0731-08	ROLLER (S GUIDE C)		B	1A		N09-4341-08	MACHINE SCREW (M2X2)	
33	2A		D19-0634-28	CLUTCH ASSY		C	2A		N09-4342-08	MACHINE SCREW (M1.4X2 BLK)	
36	3D		D21-2324-08	SHAFT (PU MAIN)		D	1B		N09-4343-08	MACHINE SCREW (M1.7X2 BLK)	
37	3C		D21-2325-08	SHAFT (PU SUB)		E	1A		N19-1134-08	FLAT WASHER	
38	1B		D21-2326-08	SHAFT (CASE PIN)		F	2A		N19-2140-08	FLAT WASHER	
41	3D		D23-0944-08	RETAINER (LEAD SCREW)		G	1A		N19-2141-08	FLAT WASHER	
42	1A		D32-0643-08	STOPPER (INNER STOPPER)		H	2D		N24-3012-45	E-RING	
43	2C	*	D39-0258-04	DAMPER		J	2D		N24-3015-45	E-RING	
51	2A		G01-2974-08	EXTENSION SPRING (LINK ARM)		K	3B	*	N09-6074-08	MACHINE SCREW (M2X2)	
52	2A		G01-2975-08	EXTENSION SPRING (SENSE)		L	2C	*	N09-6075-08	MACHINE SCREW (M1.7X2 BLK)	
53	1A		G01-2976-08	EXTENSION SPRING		MVR1	1B		R33-0203-08	VARIABLE RESISTOR (LPS)	
54	1A		G01-2973-08	EXTENSION SPRING		MS1	1A		S68-0846-05	PUSH SWITCH (OS)	
55	1A	*	G01-3166-08	TORSION COIL SPRING		MS2-6	1A		S68-0844-08	PUSH SWITCH (CS,FS,MS,LS,TS)	
56	2C		G01-2979-08	COMPRESSION SPRING (LEFT SIDE)		MS7	1D		S68-0848-08	PUSH SWITCH (PS)	
57	1D		G01-2980-08	EXTENSION SPRING		MS8-10	1B		S68-0845-08	PUSH SWITCH (SS1-3)	
58	2D		G01-2981-08	COMPRESSION SPRING (RIGHT SIDE)		MM1	2D		T42-1010-08	MOTOR ASSY (SPINDLE MOTOR)	
59	1B		G01-2982-08	TORSION COIL SPRING		MM2	2C		T42-1009-08	MOTOR ASSY (SLED MOTOR)	
60	3A		G01-2983-08	EXTENSION SPRING		MM3,4	2A		T42-1008-08	MOTOR ASSY (LO/EJ, MODE MOTOR)	
63	3B		G02-1320-18	FLAT SPRING (THRUST A)		MM5	2A		T42-1007-08	MOTOR ASSY (ELEVATOR MOTOR)	
64	2C		G02-1321-08	FLAT SPRING (F THRUST)		MPU1	3C		T25-0219-05	OPTICAL PICKUP HEAD	
65	3C		G02-1322-08	FLAT SPRING (F LEAD)							
66	3C		G02-1323-08	FLAT SPRING (PU SHAFT A)							
67	3D		G02-1324-08	FLAT SPRING (PU SHAFT B)							
68	3C		G02-1325-08	FLAT SPRING (SUB SLIDER)							
75	2B		J19-4924-08	HOLDER (CASE A)							
76	1B	*	J19-5152-08	HOLDER (CASE B)							
77	1B		J19-4926-18	HOLDER (CASE C)							
78	1B		J19-4927-18	HOLDER (CASE D)							
79	2C		J19-4932-08	DAMPER							
80	1C		J19-4967-18	HOLDER ASSY (CONTAINER L)							
81	1D		J19-4968-08	HOLDER ASSY							

E : Europe

△ Indicates safety critical components.

KMD-300/GD2

SPECIFICATIONS

		Normal	Limit
Back up Current			
MOST OFF		0.03mA	0.01~0.10mA
Current Consumption			
MOST ON	MD Stop (No Play)	0.3A	≤0.4A
	MD Play	0.6A	≤0.9A
Weight		1.4kg	
OPT Power	Output Tx	-6.5dBm	-8.5~-1.5dBm

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